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(c) MCO 3400.3F
(d) MCO 3500.27B
(e) MCRP 3-0A
(f) MCRP 3-0B
(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes Core Capability Mission Essential Tasks (MET) for readiness reporting and required events for standardization training of Marines and Navy personnel assigned to the Marine Corps Motor Transport community. Additionally, it provides tasking for formal schools preparing personnel for service in the Motor Transport occupational career field. This NAVMC supersedes MCO 1510.68B Individual Training Standards for OccFld 35.

2. Scope

a. The Core Capability Mission Essential Task List (METL) in this manual is used in Defense Readiness Reporting System (DRRS) by the Motor Transport community for the assessment and reporting of unit readiness. Units achieve training readiness for reporting in DRRS by gaining and sustaining proficiency in the training events in this manual at both collective (unit) and individual levels. Commanders are to report the training readiness of their units based on the percentage of core METs trained to standard in accordance with Annex C of this Training and Readiness Manual.

b. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute each MET, and develop long-, mid-, and short-range training plans to sustain proficiency in each MET. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps, and document objective assessments of readiness associated with training Marines. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans and reference (d) to integrate operational risk management. References (e) and (f) provide amplifying information for effective planning and management of training within the unit.

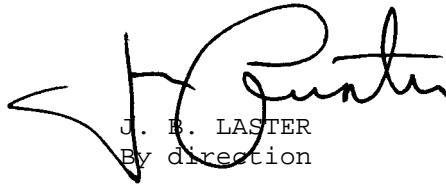
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c. Formal school and training detachment commanders will use references (a) and (g) to ensure programs of instruction meet skill training requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

3. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders, and to ensure a current Core Capabilities METL is available for use in DRRS by the Marine Corps Motor Transport community. All questions pertaining to the Marine Corps Motor Transport T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Branch C 469), 1019 Elliot Road, Quantico, VA 22134.

4. Command. This Directive is applicable to the Marine Corps Total Force.

5. Certification. Reviewed and approved this date.



J. B. LASTER
By direction

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OVERVIEW

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CHAPTER 1

OVERVIEW

1001. INTRODUCTION

1. The T&R Program is the Marine Corps' primary tool for planning, conducting and evaluating training, and assessing training readiness. Subject matter experts (SMEs) from the operating forces developed core capability Mission Essential Task Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R manuals are built around these METLs and all events contained in T&R manuals relate directly to this METL. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. The T&R Manual contains the individual and collective training requirements to prepare units to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in combat. The T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

1002. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METLs associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported accordingly in the Defense Readiness Reporting System (DRRS). Tactical

training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

1003. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (a) through (g).

1004. SUSTAINMENT AND EVALUATION OF TRAINING

1. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation).

2. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or

before expiration of the designated sustainment interval. Performance of the training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

3. The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events. Reference (a) provides further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1005. ORGANIZATION

1. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSs), or billets within an organization (EOD, NBC, Intel, etc.), and may only contain individual training standards. T&R Manuals are comprised of chapters that contain unit METs, collective training standards (CTS), and individual training standards (ITS) for each MOS, billet, etc.

2. The Marine Corps Motor Transport T&R Manual is a community-based manual, written to support the MCCS community. The manual is not intended, nor should it be used as a stand-alone document. It is organized into 15 chapters. Chapter 2 lists the Core Capability METS. Chapter 3 contains collective events and chapters 4-15 contain individual events.

1006. T&R EVENT CODING

1. T&R events are coded for ease of reference. Each event has a 4-4-4-digit identifier. The first four digits represent the MOS or occupational field (e.g. 3510, 3521, etc.).

2. The second four digits represent the functional or duty area (e.g. MAIN = MAINTENANCE, OPER = OPERATOR, TRNG = TRAINING, ADMN = ADMINISTRATIVE). The last four digits represent the Individual or Collective event level and

sequencing number of the event. Every event has a sequence number from 001 to 999. See Sect 1008 for more information on E-Coded events.

The T&R levels are shown in Figure (1). An example of the T&R coding used in this manual is shown in Figure (2).

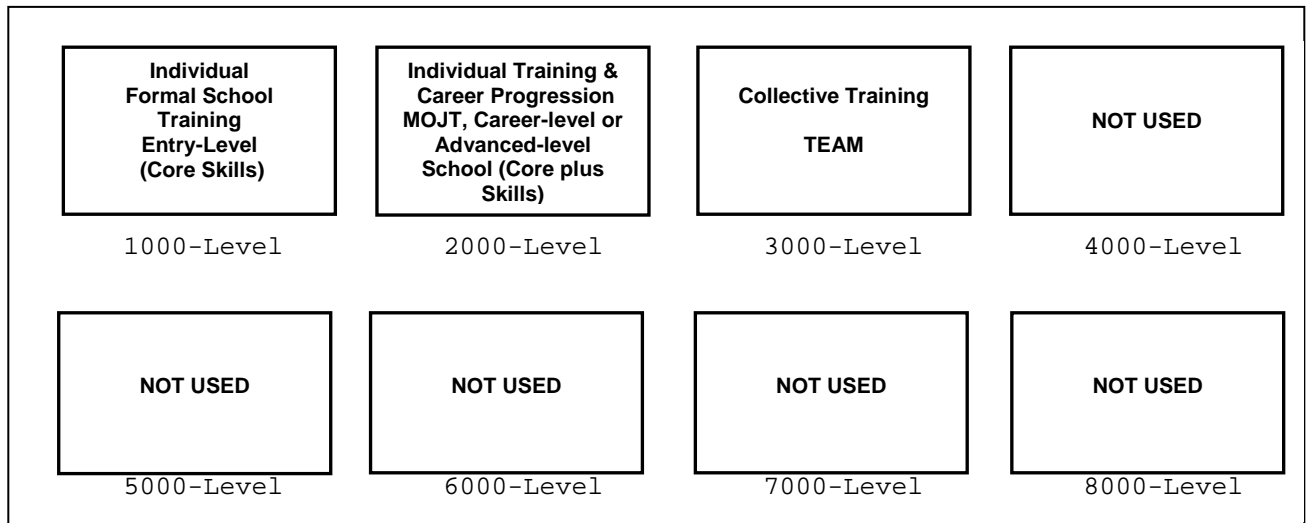


Figure 1: T&R Event Levels

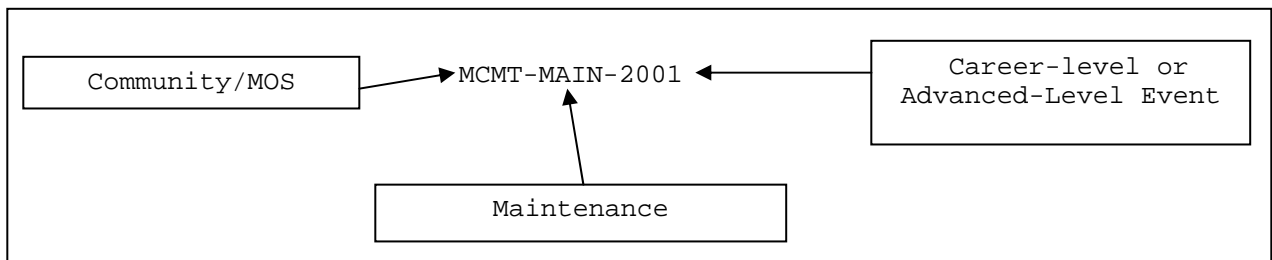


Figure 2: T&R Event Coding

1007. COMBAT READINESS PERCENTAGE

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage", as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.

2. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.

3. In unit-based T&R Manuals, unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment

interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.

4. Individual combat readiness, in both unit-based and community-based T&R Manuals, is assessed as the percentage of required individual events in which a Marine is current. This translates as the percentage of training events for his/her MOS and grade (or billet) that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

1008. EVALUATION-CODED (E-CODED) EVENTS

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET. See Sect 1006 for how to identify what type of unit an event is E-Coded for.

2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.

1009. CRP CALCULATION

1. Collective training begins at the 3000 level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of applicable E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of calculation, we will say that each MET has 4 E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET,

then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)
MET 2: 100% complete (6 of 6 E-Coded events trained)
MET 3: 25% complete (1 of 4 E-Coded events trained)
MET 4: 50% complete (2 of 4 E-Coded events trained)
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: $75 + 100 + 25 + 50 + 75 = 325$

Unit CRP: $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

1010. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (ADMN, MAIN, OPER, TRNG, etc...). The third character identifies Units for E-Coding. The last two characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. The E-Coded unit is designated by the hundreds place in the event sequence. Refer to Sect 1008 for detailed explanation of E-Coded events and Sect 1006 for T&R Event Coding specifics.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Skills and capabilities acquired through the accomplishment of training events are refreshed at pre-determined intervals. It is essential that these intervals are adhered to in order to ensure Marines maintain proficiency.

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billets expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Initial Training Setting. For Individual T&R Events only, this specifies the location for initial instruction of the training event in one of three categories (formal school, managed on-the-job training, distance learning). Regardless of the specified Initial Training Setting, any T&R event may be introduced and evaluated during managed on-the-job training.

(1) "FORMAL" - When the Initial Training Setting of an event is identified as "FORMAL" (formal school), the appropriate formal school or training detachment is required to provide initial training in the event. Conversely, formal schools and training detachments are not authorized to provide training in events designated as Initial Training Setting "MOJT" or "DL." Since the duration of formal school training must be constrained to optimize Operating Forces' manning, this element provides the mechanism for Operating Forces' prioritization of training requirements for both entry-level (1000-level) and career-level (2000-level) T&R Events. For formal schools and training detachments, this element defines the requirements for content of courses.

(2) "DL" - Identifies the training event as a candidate for initial training via a Distance Learning product (correspondence course or MarineNet course).

(3) "MOJT" - Events specified for Managed On-the-Job Training are to be introduced to Marines, and evaluated, as part of training within a unit by supervisory personnel.

i. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge (e.g. Camouflage the M1A1 Engineer and Utilities).

j. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

k. Standard. The standard indicates the basis for judging effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

l. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

m. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

n. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

o. Related Events. Provide a list of all Individual Training Standards that support the event.

p. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

q. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

r. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel
- Other Support Requirements

s. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

2. Community-based T&R manuals have several additional components not found in unit-based T&R manuals. These additions do not apply to this T&R Manual.

1011. NBC TRAINING

1. All personnel assigned to the operating force must be trained in nuclear, biological, and chemical defense (NBCD), in order to survive and continue their mission in this environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive NBC attacks. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in an NBC environment.

2. In order to develop and maintain the ability to operate in an NBC environment, NBCD training is an integral part of the training plan and events in this T&R Manual. Units should train under NBC conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

1012. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in "every climate and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on individual, crew, and unit proficiency.

1013. OPERATIONAL RISK MANAGEMENT (ORM)

1. ORM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a decision making tool used by Marines at all levels to increase operational effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of a successful mission. ORM minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of

Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

1014. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METLs.

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CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

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MOTOR T T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

2000. **SERVICE-LEVEL MISSION ESSENTIAL TASK MATRIX.** Below is the Service-Level Mission Essential Task List (METL), which includes the designated MET number and title. The following event codes are the linked collective events that support the MET.

2001. **MET#/MISSION ESSENTIAL TASK**

MET 1	CONDUCT MAINTENANCE OPERATIONS
MCMT-MAIN-3002	Maintain motor transport equipment
MCMT-MAIN-3003	Conduct recovery operations

MET 2	CONDUCT MOTOR TRANSPORT OPERATIONS
MCMT-LIC -3001	Provide a licensing program
MCMT-OPER-3004	Conduct convoy operations
MCMT-OPER-3005	Conduct movement control
MCMT-OPER-3006	Establish a tactical motor pool
MCMT-OPER-3007	Conduct refueling operations

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CHAPTER 3

COLLECTIVE EVENTS

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CHAPTER 3

COLLECTIVE EVENTS

3000. PURPOSE. This chapter includes all collective training events for Motor Transport. A collective event is an event that a trained Engineer Unit would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailor's individual and collective training for the selected MET. Each event is composed of a collective event title, event description, condition, and standard. Accomplishment and proficiency level required is determined by the event standard.

3001. EVENT CODING. Collective T&R events are coded for ease of reference. Each event has up to 4-4-4-character identifier.

- a. The first four characters represent the community:

MCMT - Marine Corps Motor Transport

- b. The second up to four characters represent the functional or duty area. This chapter contains the duty areas listed below. See Appendix A for a complete list of functional areas.

LIC - Licensing
MAIN - Maintenance
OPER - Operations

- c. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2002) of the event. The Motor Transport collective training events are captured in the 3000 (Team) Level.

3002. INDEX OF COLLECTIVE EVENTS

Event Code	E-coded	3000-LEVEL EVENTS	Page
MCMT-LIC -3001	NO	Provide a licensing program	3-4
MCMT-MAIN-3002	NO	Maintain motor transport equipment	3-4
MCMT-MAIN-3003	NO	Perform maintenance on recovered equipment	3-5
MCMT-OPER-3004	NO	Conduct convoy operations	3-6
MCMT-OPER-3005	NO	Conduct recovery operations	3-6
MCMT-OPER-3006	NO	Conduct movement control	3-7
MCMT-OPER-3007	NO	Establish a tactical motor pool	3-7
MCMT-OPER-3008	NO	Conduct refueling operations	3-8

3003. 3000-LEVEL EVENTS

MCMT-LIC-3001: Provide a licensing program

SUPPORTED MET(S): 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with the requirement, personnel and equipment.

STANDARD: To ensure all training, testing and administrative requirements are completed to operate equipment without injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Process applicants for licenses.
2. Conduct driver's testing.
3. Conduct individual driver's training.
4. Issue of U.S. Government Motor Vehicle Operator's Identification card (OF-346).
5. Maintain driver's history files.
6. Submit official correspondence.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 3. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
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MCMT-MAIN-3002: Maintain motor transport equipment

SUPPORTED MET(S): 1, 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with motor transport equipment and resources.

STANDARD: To an operational readiness status.

EVENT COMPONENTS:

1. Conduct first echelon maintenance.
2. Conduct second echelon maintenance.
3. Provide maintenance support teams.
4. Provide maintenance contact teams.
5. Establish external maintenance related programs.

REFERENCES:

1. AIETM Applicable Interactive Electronic Technical Manual
2. LI 2320-12/8 Lubrication Instruction HMMWV
3. LO 2320-387-12 Lube order HMMWV
4. LO 9 2320 272 12 M939
5. TM 11240-15/4 Motor Transport Equipment Characteristics Manual

6. TM 9-2300-422-23&P Army Oil Analysis Sampling Values Army Oil Analysis
7. TM 9-2320-260-10 Operator Manual for Trk 5 Ton, 6x6 M809 Series
8. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
9. TM 9-2320-280-10 Operator Manual for the 1 1/2 Ton M998
10. TM 9-2320-387-24 Vol 1 Technical Manual Unit Maintenance for Truck:
Utility: Cargo/Troop Carrier 2 1/4 Ton 4X4
11. TM 9-2320-387-24 Vol 2 Technical Manual Unit Maintenance for Truck:
Utility: Cargo/Troop Carrier 2 1/4 Ton 4X4
12. TM 9-2323-392-10-1 Operator Manual for the Medium Tactical Vehicle
13. TM 9-2330-202-14&P Trailer, Cargo 3/4 Ton, 2 Wheel
14. TM 9-2330-213-14&P M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel
15. TM 9-2330-247-14&P M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel
16. TM 9-2330-267-14&P M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel
17. TM 9-2990-205-40&P Turbocharger, Engine Assembly
18. TM 9-4910-593-12P Tow Bar Motor Vehicle

SUPPORT REQUIREMENTS:

OTHER SUPPORT REQUIREMENTS: Contract Logistics Support

MCMT-MAIN-3003: Perform maintenance on recovered equipment

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate equipment and the basic issue items.

STANDARD: By moving the disabled vehicle to a designated location without injury to personnel or further damage to equipment.

EVENT COMPONENTS:

1. Cut metal with oxygen acetylene torch.
2. Change Logistics Vehicle System wheel and tire assembly.
3. Perform PMCS on tactical wrecker, auxiliary tools and equipment.
4. Perform field expedient repairs.

REFERENCES:

1. LI 2320-12/8 Lubrication Instruction HMMWV
 2. LO 2320-387-12 Lube order HMMWV
 3. LO 9 2320 272 12 M939
 4. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 5. TM 9-2320-387-24 Vol 1 Technical Manual Unit Maintenance for Truck:
Utility: Cargo/Troop Carrier 2 1/4 Ton 4X4
 6. TM 9-2320-387-24 Vol 2 Technical Manual Unit Maintenance for Truck:
Utility: Cargo/Troop Carrier 2 1/4 Ton 4X4
 7. TM 9-2330-202-14&P Trailer, Cargo 3/4 Ton, 2 Wheel
 8. TM 9-2330-213-14&P M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel
 9. TM 9-2330-247-14&P M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel
-

MCMT-OPER-3004: Conduct convoy operations

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given vehicles, personnel, required tools and equipment.

STANDARD: Arrive at a determined location with all required equipment and personnel.

EVENT COMPONENTS:

1. Analyze the operation order.
2. Draft a movement order.
3. Identify classifications for routes.
4. Conduct a convoy commander's brief.
5. Create a defense plan for tactical convoy.
6. Establish convoy communication.
7. Conduct a debrief.
8. Perform land navigation.
9. Prepare a convoy commander's after action report.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. FM 5-36 Route Reconnaissance and Classification
 3. FM 55-30 Army Motor Transport Units and Operations
 4. Local SOP Local Standard Operating Procedures
 5. TM 9-2320-260-10 Operator Manual for Trk 5 Ton, 6x6 M809 Series
 6. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
 7. TM 9-2320-280-10 Operator Manual for the 1 1/2 Ton M998
 8. TM 9-2330-202-14&P Trailer, Cargo 3/4 Ton, 2 Wheel
 9. TM 9-2330-213-14&P M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel
 10. TM 9-2330-247-14&P M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel
 11. TM 9-2330-267-14&P M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel
-

MCMT-OPER-3005: Conduct recovery operations

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given appropriate equipment and the basic issue items.

STANDARD: By moving the disabled vehicle to a designated location without injury to personnel or further damage to equipment.

EVENT COMPONENTS:

1. Complete crane inspection checklist.
2. Operate tactical wrecker in unusual conditions.
3. Operate tactical wrecker on road.
4. Operate tactical wrecker off road.
5. Recover vehicle by lift tow.
6. Recover vehicle by flat tow.

7. Recover vehicle with winches.
8. Operate auxiliary tools on tactical wrecker.
9. Perform coupling procedures.
10. Inventory/PMCS basic issue items.
11. Recover vehicle by using block and tackle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 9-2320-260-10 Operator Manual for Trk 5 Ton, 6x6 M809 Series
 4. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
-

MCMT-OPER-3006: Conduct movement control

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Given a requirement, personnel and equipment for vehicle movements, automated informational system.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Determine movement control factors
2. Establish movement control planning process
3. Process routing requirements
4. Process scheduling requirements

REFERENCES:

1. FM 5-36 Route Reconnaissance and Classification
-

MCMT-OPER-3007: Establish a tactical motor pool

SUPPORTED MET(S): 1, 2

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with the requirement, equipment and personnel.

STANDARD: To safely meet operational requirement with no injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Conduct site recon.
2. Prepare a security plan.
3. Develop space requirements for equipment.
4. Develop space requirements for facilities.
5. Construct road network requirements.
6. Prepare a defense plan.

7. Create a fire prevention plan.
8. Observe environmental considerations.

REFERENCES:

1. FM 55-30 Army Motor Transport Units and Operations
 2. MCO P4790.2 MIMMS Field Procedures Manual
 3. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
-

MCMT-OPER-3008: Conduct refueling operations

SUPPORTED MET(S): 1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

CONDITION: Provided with the requirement, equipment and personnel.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

EVENT COMPONENTS:

1. Operate semi-trailer refueler on road.
2. Transport hazardous cargo.
3. Operate semi-trailer refueler off road.
4. Re-circulate semi-trailer refueler.
5. Obtain fuel sample for testing.
6. Refuel ground equipment.
7. Troubleshoot semi-trailer refueler.
8. Perform emergency shutdown procedures.
9. Refuel aircraft.
10. Maintain fuel logbook.
11. Operate semi-trailer refueler under unusual conditions.
12. Operate semi-trailer refueler in administrative conditions.
13. Operate semi-trailer refueler under limited vision conditions.
14. Conduct de-fueling operations.
15. Perform semi-trailer coupling procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 55-30 Army Motor Transport Units and Operations
5. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
6. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
7. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
8. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
9. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
10. TM 9-2320-260-10 Operator Manual for Trk 5 Ton, 6x6 M809 Series
11. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle

MOTOR T T&R MANUAL

CHAPTER 4

MOS 3510 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 4

MOS 3510 INDIVIDUAL EVENTS

4000. PURPOSE. This chapter includes all individual events for the Motor Transport Maintenance Officer. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

4001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3510).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

4002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

1000-LEVEL INDIVIDUAL EVENTS		
EVENT	TITLE	PAGE
3510-ADMN-1101	Direct the handling of Hazardous Materials (HAZMAT)	4-5
3510-ADMN-1102	Direct calibration control program	4-5
3510-ADMN-1103	Manage a publication control system	4-6
3510-ADMN-1104	Inspect operational records	4-7
3510-ADMN-1105	Direct a equipment modification control program	4-7
3510-MAIN-1201	Manage Pre-Expended Bins (PEB)	4-8
3510-MAIN-1202	Direct corrective maintenance requirements for motor transport equipment	4-8
3510-MAIN-1203	Supervise validation of supply requirements	4-9
3510-MAIN-1204	Submit a Product Quality Deficiency Report (PQDR)	4-9
3510-MAIN-1205	Supervise the processing of equipment through maintenance phases	4-10
3510-MAIN-1206	Conduct tool control	4-10
3510-MAIN-1207	Select equipment for participation in maintenance related programs	4-11
3510-MAIN-1208	Supervise preventive maintenance checks and services (PMCS) on motor transport tactical vehicles	4-11
3510-MAIN-1209	Direct the reconciliation of supply requirements	4-12
3510-MAIN-1210	Direct maintenance automated information system related functions	4-12
3510-MAIN-1211	Manage a load testing program	4-13
3510-MAIN-1212	Manage motor transport maintenance records	4-14
3510-OPER-1301	Conduct convoy operations	4-14
3510-OPER-1302	Prepare motor transport appendix to an operations order	4-15
3510-OPER-1303	Direct limited vision driving operations for a movement	4-16
3510-OPER-1304	Establish a tactical motor pool	4-16
3510-OPER-1305	Supervise self-recovery operations	4-17
3510-OPER-1306	Provide guidance during vehicle fording operations	4-18
3510-TRNG-1401	Conduct training on Individual Training Standards (ITS)	4-18
2000-LEVEL INDIVIDUAL EVENTS		
EVENT	TITLE	PAGE
3510-ADMN-2101	Direct Marine Corps Integrated Maintenance Management System (MIMMS) procedures for unique maintenance requirements	4-20
3510-ADMN-2102	Prepare motor transport related correspondence	4-20
3510-ADMN-2103	Maintain a Consolidated Memorandum Receipts (CMR) account	4-21
3510-LIC -2201	Manage a licensing program	4-21
3510-MAIN-2301	Research maintenance information	4-22

3510-MAIN-2302	Direct shop safety programs	4-22
3510-MAIN-2303	Plan motor transport maintenance operations in adverse environments	4-23
3510-MAIN-2304	Establish a motor transport support requirements plan	4-24
3510-OPER-2401	Employ a vehicle recovery section	4-24
3510-OPER-2402	Direct maintenance functions in convoy operations	4-25
3510-OPER-2403	Determine requirements for Maritime Preposition Force (MPF) operations	4-26
3510-OPER-2404	Manage tactical movement using an automated information system	4-26
3510-OPER-2405	Supervise decontamination of motor transport equipment	4-27
3510-OPER-2406	Direct camouflaging of motor transport equipment	4-27
3510-OPER-2407	Direct the preparation of maintenance support equipment for embarkation	4-28
3510-OPER-2408	Call for supporting arms fire	4-28
3510-OPER-2409	Manage vehicle loading operations	4-29

4003. 1000-LEVEL INDIVIDUAL EVENTS

3510-ADMN-1101: Direct the handling of Hazardous Materials (HAZMAT)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, hazardous materials, equipment, personnel and a requirement.

STANDARD: Safely use, store and dispose of HAZMAT without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Identify hazardous materials.
2. Supervise proper handling and storage procedures.
3. Direct the disposition of hazardous materials.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
 2. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
 3. CFR 49 Code of Federal Regulations - Transportation
 4. DCAM 4145.11 Storage & Handling of Hazardous Material
 5. FM 10-69 Petroleum Supply Point Equipment and Operations
 6. MCO 10330.2 Storage/Handling of Compressed Gases
 7. MCO 4450-12 Storage and Holding of Hazardous Material
 8. MCO P5090.2 Environmental Compliance and Protection Manual
 9. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
 10. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
 12. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN
-

3510-ADMN-1102: Direct calibration control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, equipment, personnel, records, forms and references.

STANDARD: To provide accurate test, measurement and diagnostic capabilities.

PERFORMANCE STEPS:

1. Identify Test Measurement and Diagnostic Equipment (TMDE).
2. Validate annual Test Measurement and Diagnostic Equipment (TMDE) requirements.
3. Audit calibration control records.
4. Direct the submission of equipment for calibration.
5. Determine control procedures.
6. Determine the required types of calibration.
7. Verify associated labels.

REFERENCES:

1. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 2. MCO P4790.2 MIMMS Field Procedures Manual
 3. TI 4733-15/1 Calibration Requirements Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program
 4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 5. UM-4790-5 MIMMS-AIS Field Maintenance Procedures
-

3510-ADMN-1103: Manage a publication control system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, a requirement, personnel and support equipment, forms and a publication library.

STANDARD: To reorder manuals that have become damaged, obsolete or outdated.

PERFORMANCE STEPS:

1. Audit the library publications control documents.
2. Inspect the library for missing publications.
3. Inspect the library for outdated publications.
4. Verify the ordering of deficient publications.
5. Direct the implementation of publication changes to include NAVMC 10772.
6. Perform manager's responsibilities in regard to Publication Library.

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCO P5215.1 Marine Corps Directives Management Program
4. MCO P5215.17 USMC Technical Publications System
5. MCO P5600.31 Marine Corps Publications and Printing Regulations
6. NAVMC 2761 Catalog of Publications
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

9. UM-MCPDS 5605 Marine Corps Publications Distribution System
10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

3510-ADMN-1104: Inspect operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, completed forms and records.

STANDARD: To ensure accuracy and compliance to policy.

PERFORMANCE STEPS:

1. Audit forms/records.
2. Perform disposition procedures of forms/records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
3. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3510-ADMN-1105: Direct a equipment modification control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, personnel and equipment.

STANDARD: To safely meet operational requirements or capabilities.

PERFORMANCE STEPS:

1. Identify equipment that will be placed in the modification program.
2. Establish methods of controlling a modification program.
3. Identify records used for the control of the modification program.
4. Audit modification control records.
5. Direct application of the modification.
6. Identify types of modification and time compliance.
7. Conduct proper requisition procedures.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. MCO P4790.2 MIMMS Field Procedures Manual
3. SL 1-2 Index of Authorized Publication for Equipment Support
4. SL 1-3 Index of Authorized Publications in Stock
5. TI 5600 Publication Information Marine Corps Equipment
6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
7. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

3510-MAIN-1201: Manage Pre-Expended Bins (PEB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and a requirement.

STANDARD: To provide readily available high usage parts.

PERFORMANCE STEPS:

1. Obtain proper authorization for a PEB.
2. Determine who can approve items for the PEB.
3. Identify criteria for items placed in the PEB.
4. Identify accountability requirements.
5. Supervise the storage of items in the PEB.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

3510-MAIN-1202: Direct corrective maintenance requirements for motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given the references and a requirement.

STANDARD: To maintain unit readiness.

PERFORMANCE STEPS:

1. Manage established corrective maintenance procedures.
2. Request overflow maintenance when conditions warrant.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO 4790.2 Field Maintenance Management Manual
-

3510-MAIN-1203: Supervise validation of supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and outstanding supply requisitions.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Supervise the daily validation process.
2. Supervise the biweekly validation process.
3. Determine commodity sections responsibilities.

REFERENCES:

1. MCO 4790.2 Field Maintenance Management Manual
 2. MCO P4400.150 Consumer Level Supply Policy Manual
 3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 4. UM 4400-123 FMF SASSY Management Unit Procedures
 5. UM 4400-124 FMF SASSY Using Unit Procedures
 6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures
-

3510-MAIN-1204: Submit a Product Quality Deficiency Report (PQDR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and a identified deficiency.

STANDARD: To ensure deficiencies are identified to supporting establishments.

PERFORMANCE STEPS:

1. Validate the need for a PQDR.
2. Draft a PQDR.

REFERENCES:

1. MCO 4855.10 Product Quality Deficiency Report (PQDR)
 2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3510-MAIN-1205: Supervise the processing of equipment through maintenance phases

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, forms, records and a requirement.

STANDARD: To maintain unit readiness.

PERFORMANCE STEPS:

1. Direct maintenance requirements during the equipment acceptance phase.
2. Direct maintenance requirements during the equipment induction phase.
3. Direct maintenance requirements during the equipment active maintenance phase.
4. Direct maintenance requirements during the maintenance closeout phase.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO P4790.2 MIMMS Field Procedures Manual
-

3510-MAIN-1206: Conduct tool control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement for monitoring the control of tool sets, chests, and kits.

STANDARD: To ensure cleanliness, serviceability and accountability.

PERFORMANCE STEPS:

1. Identify tool sets, chests, and kits authorized.
2. Enforce inventory procedures.
3. Inspect inventories records.
4. Validate tool sets, chests, and kits requisitions.
5. Determine control methods.
6. Enforce tool disposition procedures.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

3510-MAIN-1207: Select equipment for participation in maintenance related programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, equipment and personnel.

STANDARD: To enhance unit equipment readiness.

PERFORMANCE STEPS:

1. Process equipment for Depot Level Maintenance Program (DLMP).
2. Process equipment for Recoverable Items Program (WIR).
3. Process equipment for the Joint Oil Analysis Program (JOAP).
4. Process equipment for Corrosion Prevention and Control (CPAC) Program.
5. Process equipment for the Administrative Storage/Deadline Program.
6. Process equipment for the Service Life Extension Program (SLEP).

REFERENCES:

1. MCO 4400.194 Class VII Stock Rotation Program
2. MCO 4731.1 Oil Analysis Program for Ground Equipment
3. MCO 4790.18 Corrosion Prevention and Control (CPAC) Program
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4400.82 MIMMS Controlled Item Management Manual
6. MCO P4790.2 MIMMS Field Procedures Manual
7. TI 4731-14/1 Marine Corps Participation in the Joint Oil Analysis Program
8. TM 4795-12/1 Organizational Corrosion Prevention and Control Procedures

3510-MAIN-1208: Supervise Preventive Maintenance Checks and Services (PMCS) on motor transport tactical vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, personnel, tools, supplies, equipment and a requirement.

STANDARD: To maintain equipment to an operational readiness level.

PERFORMANCE STEPS:

1. Verify intervals.
2. Verify requirements for equipment under warranty.
3. Verify special requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO P4790.2 MIMMS Field Procedures Manual
 4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3510-MAIN-1209: Direct the reconciliation of supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and outstanding supply requisitions.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Identify procedures for the daily reconciliation process.
2. Identify procedures for the biweekly reconciliation process.
3. Determine commodity sections responsibilities.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
 2. MCO P4790.2 MIMMS Field Procedures Manual
 3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 4. UM 4400-123 FMF SASSY Management Unit Procedures
 5. UM 4400-124 FMF SASSY Using Unit Procedures
 6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures
-

3510-MAIN-1210: Direct maintenance automated information system related functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, forms, reports and equipment.

STANDARD: To maintain proper documentation of maintenance records.

PERFORMANCE STEPS:

1. Determine the use of output reports.
2. Audit output reports.
3. Establish equipment flow procedures.

REFERENCES:

1. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
 2. MCO 3000.11 Marine Corps Automated Readiness Evaluation System (MARES)
 3. MCO 4400.16 Uniform Materiel Movement and Issue Priority System
 4. MCO P4400.150 Consumer Level Supply Policy Manual
 5. MCO P4790.1 MIMMS Introduction Manual
 6. MCO P4790.2 MIMMS Field Procedures Manual
 7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 8. UM-4790-5 MIMMS-AIS Field Maintenance Procedures
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3510-MAIN-1211: Manage a load testing program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, personnel, equipment and a requirement.

STANDARD: To meet operational requirements without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Determine load test requirements.
2. Verify completion of load test records.
3. Direct the disposition of load test records.
4. Certify the Annual Condition Inspection (ACI) and/or load test of tactical ground load lifting equipment.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3. MCO P11262.2 Inspection Load Testing of USMC Lifting Equipment
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3510-MAIN-1212: Manage motor transport maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, personnel and records.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Enforce procedures for completing records.
2. Audit records.
3. Manage the disposition of records.

REFERENCES:

1. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
3. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

3510-OPER-1301: Conduct convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, vehicles, personnel, required tools and equipment.

STANDARD: To arrive at a determined location with all required equipment and personnel.

PERFORMANCE STEPS:

1. Analyze the operation order.
2. Draft a movement order.
3. Organize the convoy in march order.
4. Determine classifications for routes.
5. Determine defense requirements of a tactical convoy.
6. Determine convoy communication requirements.

7. Conduct a convoy commander's brief.
8. Direct the movement of the convoy using navigational devices.
9. Conduct a debrief.
10. Prepare the convoy commanders After Action Report (AAR).

REFERENCES:

1. FM 21-26 Map Reading and Land Navigation
2. FM 21-305 Manual for Wheeled Vehicle Driver
3. FM 5-170 Engineer Reconnaissance
4. FM 55-15 Transportation Reference Data
5. FM 55-30 Army Motor Transport Units and Operations
6. FMFM 7-28 Jungle Operations
7. FMFM 7-29 Mountain Operations
8. MCRP 3-40-3A Multi Service Communications Procedures and Tactical Radio Procedures in Joint Environment
9. MCRP 4-11.3F Convoy Operations Handbook
10. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
11. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
12. MCWP 3-17.1 River-Crossing Operations
13. MCWP 3-35.6 Desert Operations
14. MCWP 4-11 Tactical Level Logistics
15. MCWP 5-1 Marine Corps Planning Process
16. MSTP PAM 4-0.1 Movement Control
17. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
18. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
19. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
20. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
21. TB 11-5825-291-10-3 The PLGR made simple
22. TM 09880A-10-3 Satellite Signals Navigation Set, AN/PSN -11
23. TM 09880C-0R Operator's Guide, DAGR Operator's Pocket Guide
24. TM 11-5825-291-13 Satellite Signals Navigation Sets AN/PSN-11
25. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

3510-OPER-1302: Prepare motor transport appendix to an operations order

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an operation order and a requirement.

STANDARD: To outline the requirements needed to support the mission.

PERFORMANCE STEPS:

1. Determine geographical area operation requirements.
2. Determine required logistics support.

REFERENCES:

1. FMFM 7-28 Jungle Operations
 2. FMFM 7-29 Mountain Operations
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 5. MCWP 3-35.6 Desert Operations
 6. MCWP 4-1 Logistics Operations
 7. MCWP 4-11.3 Transportation Operations
 8. MCWP 4-11.4 Maintenance Operations
 9. MCWP 5-1 Marine Corps Planning Process
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3510-OPER-1303: Direct limited vision driving operations for a movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, vehicles, personnel and illumination devices.

STANDARD: To safely meet operational requirements without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine methods of illumination.
2. Determine appropriate visual communication signals.
3. Determine appropriate audio communication signals.
4. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 55-30 Army Motor Transport Units and Operations
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
 7. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
 8. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
 9. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3510-OPER-1304: Establish a tactical motor pool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with the requirement, references, equipment and personnel.

STANDARD: To safely meet operational requirement with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Conduct site reconnaissance.
2. Establish security.
3. Determine road network requirements.
4. Determine terrain requirements.
5. Determine facility requirements
6. Determine space requirements for equipment.
7. Determine emergency exits.
8. Establish a fire prevention plan.
9. Develop physical security requirements.
10. Employ a defense plan.
11. Determine environmental considerations.

REFERENCES:

1. FM 55-30 Army Motor Transport Units and Operations
 2. MCO P4790.2 MIMMS Field Procedures Manual
 3. MCWP 4-11.4 Maintenance Operations
 4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3510-OPER-1305: Supervise self-recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a vehicle, references, required tools, equipment and personnel.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct the eight step process.

2. Implement safety requirements.
3. Direct operations using anchors.
4. Direct operations using mechanical advantage.
5. Direct towing operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. MCRP 4-11.3F Convoy Operations Handbook
5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

3510-OPER-1306: Provide guidance during vehicle fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, personnel, equipment and a water obstacle.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct pre-fording operations checks.
2. Direct vehicle operations in water.
3. Direct post-fording checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 5-170 Engineer Reconnaissance
5. MCWP 3-17.1 River-Crossing Operations

3510-TRNG-1401: Conduct training on Individual Training Standards (ITS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and personnel.

STANDARD: To maintain operational proficiency.

PERFORMANCE STEPS:

1. Select ITS topics to be taught to supervisory personnel.
2. Select ITS topics to be taught to maintenance management personnel.
3. Select ITS topics to be taught to maintenance personnel.
4. Select ITS topics to be taught to operator personnel.

REFERENCES:

1. MCO 1510.61 Individual Training Standards for Embarkation/Logistics
Occupational Field 04
2. MCO 1510.68 Individual Training Standards (ITS) System for Motor Transport
Occupational Field 35
3. MCO 1553.3 Marine Corps Unit Training Management
4. MCO P1200.7 Military Occupational Specialties Manual
5. MCO P4790.2 MIMMS Field Procedures Manual
6. MCRP 3-0A Unit Training Management Guide
7. MCRP 3-0B How To Conduct Training
8. SAT MANUAL Systems Approach to Training Manual

4004. 2000-LEVEL INDIVIDUAL EVENTS

3510-ADMN-2101: Direct Marine Corps Integrated Maintenance Management System (MIMMS) procedures for unique maintenance requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, personnel and equipment.

STANDARD: To ensure compliance within the maintenance requirements and enhance unit readiness.

PERFORMANCE STEPS:

1. Perform commodity manager/maintenance officer responsibilities.
2. Enforce selective interchange procedures for maintenance requirements.
3. Enforce cannibalization procedures for maintenance requirements.
4. Perform procedures for approval of an increase in echelon of maintenance (EOM).

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
 2. MCO P4790.2 MIMMS Field Procedures Manual
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3510-ADMN-2102: Prepare motor transport related correspondence

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, and a requirement.

STANDARD: To ensure compliance with Naval Correspondence procedures.

PERFORMANCE STEPS:

1. Gather information.
2. Prepare Naval correspondence.
3. Submit Naval correspondence.

REFERENCES:

1. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
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3510-ADMN-2103: Maintain a Consolidated Memorandum Receipts (CMR) account

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an assignment as a Responsible Officer (RO), a Consolidated Memorandum Receipts (CMR) account and references.

STANDARD: To ensure accountability and accurate documentation of equipment and supplies.

PERFORMANCE STEPS:

1. Determine how frequently the CMR is published.
2. Complete the CMR review.
3. Perform RO responsibilities for discrepancies.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
 2. UM 4400-123 FMF SASSY Management Unit Procedures
 3. UM 4400-124 FMF SASSY Using Unit Procedures
 4. UM 4400-125 FMF SASSY Accounting Manual (VOL IV) Maintenance Float Procedures
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3510-LIC-2201: Manage a licensing program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with the requirement, personnel, equipment, and the references.

STANDARD: To ensure all training, testing and administrative requirements are completed to operate equipment without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Process applicants for licenses.
2. Conduct driver's testing.
3. Conduct individual driver's training.
4. Issue U.S. Government Motor Vehicle Operator's Identification card (OF-346).
5. Maintain driver's history files.
6. Submit official correspondence.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
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3510-MAIN-2301: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given echelon of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
 2. AETM Applicable Equipment Technical Manuals
 3. AIETM Applicable Interactive Electronic Technical Manual
 4. ALO/I Applicable Lubrication Order/Instruction
 5. ATI Applicable Technical Instruction
 6. FED LOG Federal Logistics Data on Compact Disk
 7. SL 1-2 Index of Authorized Publication for Equipment Support
 8. SL 1-3 Index of Authorized Publications in Stock
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3510-MAIN-2302: Direct shop safety programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and facilities.

STANDARD: To prevent damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Implement safety program.
2. Enforce safety requirements when using compressed air.
3. Enforce regulations for using load bearing equipment.
4. Enforce regulations to be adhered to in regard to the battery shop.
5. Enforce requirements for marking hazardous equipment.
6. Enforce proper use of equipment.
7. Enforce requirement for hearing conservation.
8. Identify regulations for using safety equipment.
9. Identify marking requirements of hazardous workspaces.
10. Enforce regulations for welding operations.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
 2. MCO 3500.27 Operational Risk Management
 3. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
 4. NAVMC 2692 Unit Safety Program Management Manual
 5. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools
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3510-MAIN-2303: Plan motor transport maintenance operations in adverse environments

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with the references and a requirement.

STANDARD: To complete the maintenance requirements necessary to accomplish the mission without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Determine considerations.
2. Determine required resources.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 55-30 Army Motor Transport Units and Operations
 5. FMFM 7-28 Jungle Operations
 6. FMFM 7-29 Mountain Operations
 7. MCWP 3-35.6 Desert Operations
 8. MCWP 4-11.4 Maintenance Operations
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3510-MAIN-2304: Establish a motor transport support requirements plan

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with the references and a support mission.

STANDARD: To meet the Commanding Officer's time line requirements by identifying all support requirements.

PERFORMANCE STEPS:

1. Determine Petroleum, Oil, and Lubricant (POL) requirements.
2. Determine repair parts requirements.
3. Prioritize requirements.
4. Determine funds requirements.
5. Determine publications requirements.
6. Determine personnel requirements.
7. Determine equipment requirements.
8. Determine tool sets, chests and kits requirements.
9. Determine facilities requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ATI Applicable Technical Instruction
 5. FM 55-15 Transportation Reference Data
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCO P1200.7 Military Occupational Specialties Manual
 8. MCO P4400.150 Consumer Level Supply Policy Manual
 9. MCO P4790.2 MIMMS Field Procedures Manual
 10. MCO P5311.1 Total Force Structure Process
 11. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions Users Manual
 12. MCWP 4-1 Logistics Operations
 13. MCWP 4-11.3 Transportation Operations
 14. MCWP 4-11.4 Maintenance Operations
 15. MCWP 5-1 Marine Corps Planning Process
 16. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
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3510-OPER-2401: Employ a vehicle recovery section

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a vehicle to be recovered, applicable references, and appropriate equipment.

STANDARD: To move a disabled vehicle to a designated location without injury to personnel or further damage to equipment.

PERFORMANCE STEPS:

1. Assess the operational situation.
2. Assign the mission.
3. Provide situational guidance.
4. Evaluate recovery efforts.
5. Report results, as required.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
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3510-OPER-2402: Direct maintenance functions in convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a proposed convoy composition, references, and the convoy route.

STANDARD: To safely meet operational requirements without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Review the convoy composition.
2. Review the convoy route.
3. Manage Limited Technical Inspections (LTI) on equipment.
4. Determine tools requirements.
5. Perform maintenance support requirements.
6. Provide equipment requirements.
7. Provide repair parts requirements.
8. Direct the performance of required maintenance.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. MCRP 4-11.3F Convoy Operations Handbook
5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

6. MCWP 4-11.4 Maintenance Operations
7. TM 11240-15/4 Motor Transport Equipment Characteristics Manual

3510-OPER-2403: Determine requirements for Maritime Preposition Force (MPF) operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with equipment, references and operations plan.

STANDARD: To meet operational requirements.

PERFORMANCE STEPS:

1. Conduct MPF planning.
2. Establish marshaling requirements.
3. Perform movement requirements.
4. Implement arrival requirements.
5. Determine assembly requirements.

REFERENCES:

1. MCWP 3-32 Maritime Pre-positioning Force (MPF) Operations

3510-OPER-2404: Manage tactical movement using an automated information system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, references, tools, equipment and personnel.

STANDARD: To ensure proper utilization of personnel and equipment.

PERFORMANCE STEPS:

1. Maintain a database.
2. Manage transportation support assets.
3. Task a unit to support transportation missions.
4. Create a support request.
5. Organize asset availability by date and time.
6. Create convoys.
7. Build a convoy route.

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8. Direct dispatching.
9. Manage convoys.
10. Generate reports.

REFERENCES:

1. MCWP 4-11.3 Transportation Operations
2. MDSS II HM MAGTF Deployment Support System, User's Help Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3510-OPER-2405: Supervise decontamination of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a contaminated vehicle, a portable decontamination apparatus and all required materials.

STANDARD: To restore to a safe and operable condition.

PERFORMANCE STEPS:

1. Supervise decontamination of a vehicle with DS2 solution.
2. Supervise decontamination of a vehicle with soapy water
3. Supervise decontamination of a vehicle with slurry.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 3-5 NBC Decontamination
5. MCWP 3-37.3 NBC Decontamination
6. TM 3-4230-228-10 Decontamination Apparatus, Power Driven, Lightweight M17

3510-OPER-2406: Direct camouflaging of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, supplies, equipment, vehicles, personnel, and a requirement.

STANDARD: To obscure observation.

PERFORMANCE STEPS:

1. Determine factors of detection.
2. Perform counter detection techniques.
3. Apply methods of concealment.
4. Implement vehicle camouflage measures.

REFERENCES:

1. FM 20-3 Camouflage, Concealment, and Decoys
 2. FM 55-30 Army Motor Transport Units and Operations
 3. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 4. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System
 5. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
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3510-OPER-2407: Direct the preparation of maintenance support equipment for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, applicable materials and a requirement.

STANDARD: To accomplish embarkation without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Determine the services that must be performed prior to embarkation.
2. Verify equipment marking requirements have been met.
3. Direct the preparation of vehicles for embarkation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 4. FM 55-15 Transportation Reference Data
 5. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 6. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 7. TM 11275-15/3 Technical Characteristics of USMC Engineer Equipment
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3510-OPER-2408: Call for supporting arms fire

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and a requirement.

STANDARD: To neutralize the threat.

PERFORMANCE STEPS:

1. Perform procedures to call for fire.
2. Perform procedures for adjusting fire.
3. Perform procedures for calling for close air support.
4. Perform procedures for calling for naval gun fire support.
5. Perform procedures for calling for artillery fire support.

REFERENCES:

1. FM 6-20-10 Tactics Techniques and Procedures for the Targeting Process
 2. FM 6-20-20 Fire Support at Battalion Task Force & below
 3. MCRP 3-40-3A Mult Service Communications Procedures and Tactical Radio Procedures in Joint Environment
 4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3510-OPER-2409: Manage vehicle loading operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3510

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the references, material, a requirement, personnel, cargo and equipment.

STANDARD: To safely meet operational requirements without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Direct proper vehicle loading practices.
2. Direct the loading requirements for explosive materials.
3. Direct the loading requirements for hazardous materials.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
7. MCO P4030.36 Marine Corps Packaging Manual

MOTOR T T&R MANUAL

CHAPTER 5

MOS 3521 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 5

MOS 3521 INDIVIDUAL EVENTS

5000. PURPOSE. This chapter includes all individual events for the Automotive Organizational Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

5001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3521).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

5002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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5003. 1000-LEVEL INDIVIDUAL EVENTS

3521-MAIN-1001: Perform training requirements for a shop use only operator

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Motor Transport tactical vehicle and references.

STANDARD: Without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Identify characteristics of the vehicle/vehicles to be licensed on.
2. Operate a motor transport tactical vehicle.
3. Conduct skills test.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 4. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
 5. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
-

3521-MAIN-1002: Maintain tool kits

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, tools, equipment, supplies and references.

STANDARD: For serviceability, accountability and cleanliness..

PERFORMANCE STEPS:

1. Identify specific tools.
2. Identify the intended purpose of specific tools.
3. Inventory the contents of the general mechanics tool kit.
4. Demonstrate the proper use of tools.

REFERENCES:

1. SL 3-10025 Tool Kit, Common No. 1

2. SL-3-00456A Components List for Tool Kit, Mechanics General
3. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools

3521-MAIN-1003: Install automotive components with threaded fasteners

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, tools, equipment supplies and references.

STANDARD: To properly secure components according to specifications.

PERFORMANCE STEPS:

1. Identify the torque specifications of fasteners.
2. Restore a damaged fastener with internal threads.
3. Restore a damaged fastener with external threads.
4. Remove and replace fasteners.
5. Identify and torque threaded fasteners.

REFERENCES:

1. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools
2. TM 9-8000 PRINCIPLES OF AUTOMOTIVE VEHICLES

3521-MAIN-1004: Connect automotive components with tubing and tube fittings

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, tools, equipment supplies and references.

STANDARD: To correctly install tubing and tube fittings according to the required specifications.

PERFORMANCE STEPS:

1. Identify the point where the sealing occurs on each fitting.
2. Connect plastic tubing to the tube fitting.
3. Connect steel tubing to the tube fitting.
4. Connect copper tubing to the tube fitting.

REFERENCES:

1. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools
 2. TM 9-8000 PRINCIPLES OF AUTOMOTIVE VEHICLES
-

3521-MAIN-1005: Perform electrical wiring repair

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, tools, supplies, safety equipment and references.

STANDARD: To restore vehicle to operational readiness.

PERFORMANCE STEPS:

1. Perform soldering of electrical wiring.
2. Perform electrical connector repair.

REFERENCES:

1. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools
 2. TM 9-8000 PRINCIPLES OF AUTOMOTIVE VEHICLES
-

3521-MAIN-1006: Apply shop safety precautions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, simulated maintenance actions and references.

STANDARD: To prevent injury to personnel and damage to equipment.

PERFORMANCE STEPS:

1. Identify the safety equipment that should be used as each task is performed.
2. Identify how to use safety equipment.

REFERENCES:

1. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
-

3521-MAIN-1007: Operate Test Measurement and Diagnostic Equipment (TMDE)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, test measurement and diagnostic equipment (TMDE) and references.

STANDARD: To ensure alignment and repairs are complete and accurate.

PERFORMANCE STEPS:

1. Operate a digital multimeter.
2. Operate the antifreeze/battery tester.
3. Operate the cooling pressure tester.
4. Operate a test light.

REFERENCES:

1. SL-3-1013A Vehicle Automated Diagnostic System (VADS)
 2. SL-3-10791A Vehicle Automotive Diagnostic System (VADS)
 3. SL-3-10844A TranX 2000 Automotive Transmission Tester
 4. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools
 5. TM 9-8000 PRINCIPLES OF AUTOMOTIVE VEHICLES
-

3521-MAIN-1008: Apply the proper vehicle lubricant

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, lubrication requirements, environmental conditions, tools, equipment supplies and references.

STANDARD: To ensure equipment operates without restrictions.

PERFORMANCE STEPS:

1. Identify the correct type of petroleum products used in tactical motor vehicles.
2. Match the product grade to the product type.
3. Identify the purpose of petroleum products.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
 2. AETM Applicable Equipment Technical Manuals
-

3521-MAIN-1009: Read automotive schematics

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a maintenance scenario, schematics and references.

STANDARD: To diagnosis faults and malfunctions.

PERFORMANCE STEPS:

1. Identify the symbols.
2. Trace a lighting circuit from a light to the associated switch.
3. Trace the fuel path from origin to destination.
4. Trace the airflow from origin to destination.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1010: Troubleshoot automotive systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle with faulty equipment/components and references.

STANDARD: To restore to operational readiness.

PERFORMANCE STEPS:

1. Troubleshoot a faulty engine system.
2. Troubleshoot a faulty drive train system.
3. Troubleshoot a faulty steering system.
4. Troubleshoot a faulty brake system.
5. Troubleshoot a faulty electrical system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 9-8000 PRINCIPLES OF AUTOMOTIVE VEHICLES
-

3521-MAIN-1011: Perform maintenance on the diesel engine fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the fuel system for leaks.
2. Remove fuel system components.
3. Inspect fuel system components for serviceability.
4. Install fuel system components.
5. Adjust fuel system components.
6. Diagnose the cause of a malfunctioning engine fuel system.
7. Perform diagnosis on the electronic control module.
8. Service fuel system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1012: Perform maintenance on the HMMWV diesel engine lubrication system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates according to standards.

PERFORMANCE STEPS:

1. Inspect the oil pan for leaks.
2. Replace the oil filter.
3. Remove the Crankcase Depression Regulator (CDR) valve and hoses.
4. Inspect Crankcase Depression Regulator (CDR) hoses.
5. Clean Crankcase Depression Regulator (CDR) hoses
6. Install the Crankcase Depression Regulator (CDR) valve and hoses.
7. Diagnose the cause of excessive oil consumption.
8. Diagnose the cause of low oil pressure.
9. Diagnose the cause of malfunctions in the oil pressure indicating system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction

3521-MAIN-1013: Perform maintenance on the diesel engine air induction system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the air induction system for serviceability.
2. Remove components of the air induction system.
3. Clean components of the air induction system.
4. Install components of the air induction system.
5. Diagnose a malfunctioning air induction system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-1014: Perform maintenance on the diesel engine exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the exhaust system for serviceability.
2. Replace components of the exhaust system.
3. Check the exhaust system for leaks.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1015: Perform maintenance on the diesel engine cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the engine cooling system.
2. Test the engine cooling system.
3. Service the engine cooling system.
4. Service the fan drive assembly.
5. Inspect/replace serpentine belt.
6. Inspect/replace unserviceable hoses.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1016: Perform maintenance on the battery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, test equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the batteries for serviceability.
2. Test the batteries.
3. Service the batteries.
4. Replace the batteries.
5. Diagnose the cause of a malfunctioning battery system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-1017: Perform maintenance on the starting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, test equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the starter wiring/cabling for serviceability.
2. Inspect the starter for proper mounting.
3. Test the starter.
4. Diagnose the cause of a malfunctioning starting system
5. Replace the starter.
6. Repair the starter wiring/cabling.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-1018: Perform maintenance on the charging system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, test equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Test the alternator output.
2. Diagnose a malfunctioning charging system.
3. Replace the alternator.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1019: Perform maintenance on the transmission/transfer case

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, test equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the transmission/transfer for serviceability.
2. Adjust the shift linkage.
3. Service the transmission/transfer.
4. Diagnose a malfunctioning transmission/transfer case.
5. Perform diagnosis on electronic control module.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1020: Perform maintenance on the propeller shaft system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the propeller shaft system for serviceability.
2. Remove propeller shaft from vehicle.
3. Disassemble propeller shaft.
4. Inspect propeller shaft components.
5. Diagnose the cause of a malfunctioning propeller shaft system.

6. Assemble propeller shaft components.
7. Install propeller shaft.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1021: Perform maintenance on the brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Test the service brake system for serviceability.
2. Remove service brake system components.
3. Inspect service brake system components.
4. Diagnose a malfunctioning service brake system.
5. Replace service brake system components.
6. Bleed the service brake system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1022: Perform maintenance on the parking brake assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the parking brake assembly for serviceability.
2. Repair parking brake components.

3. Replace the parking brake components.
4. Adjust the parking brake.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1023: Perform maintenance on the geared hub assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the geared hub assembly for serviceability.
2. Diagnose a malfunctioning geared hub assembly.
3. Replace components of the geared hub assembly.
4. Service geared hub assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-1024: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the steering system for serviceability.
2. Diagnose a malfunctioning steering system.
3. Replace components of the steering system.
4. Service the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1025: Perform maintenance on the engine glow plug system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Test the glow plug system.
2. Diagnose the cause of a malfunctioning glow plug system.
3. Replace the glow plugs/control relay.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1026: Replace the engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, Equipment Repair Order (ERO), tools, shop supplies, equipment, repair parts, consumables and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Remove the engine.
2. Install the engine

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1027: Replace the transmission

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, Equipment Repair Order (ERO), tools, shop supplies, equipment, repair parts, consumables and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Remove the transmission.
2. Install the transmission.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1028: Perform troubleshooting/diagnostic testing on the transmission

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle and TRANX 2000 transmission tester and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Perform transmission solenoid test.
2. Monitor TRANX 2000 transmission tester while performing tests.
3. Perform special transmission test.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. SL-3-10844A TranX 2000 Automotive Transmission Tester
-

3521-MAIN-1029: Perform PMCS on a motor transport tactical series vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle NAVMC 10627, tools, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Complete the bottom portion of the NAVMC 10627.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
-

3521-MAIN-1030: Perform maintenance on the electrical system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the electrical system.
2. Troubleshoot/diagnose the electrical system.
3. Repair the electrical system.
4. Replace components of the electrical system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1031: Perform maintenance on the caterpillar diesel engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the engine.
2. Troubleshoot/diagnose the engine.
3. Repair the engine.
4. Replace components of the engine.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1032: Perform maintenance on the vehicle compressed air system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the compressed air system.
2. Troubleshoot/diagnose the compressed air system.
3. Repair the compressed air system.
4. Replace components of the compressed air system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1033: Perform maintenance on the brake systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the brake system.
2. Troubleshoot/diagnose the brake system.
3. Repair the brake system.
4. Replace components of the brake system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1034: Perform maintenance on the Central Tire Inflation System (CTIS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the CTIS.
2. Troubleshoot/diagnose the CTIS.
3. Repair the CTIS.
4. Replace components of the CITS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1035: Perform maintenance on the drive train system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the drive train system.
2. Troubleshoot/diagnose the drive train system.
3. Repair the drive train system.
4. Replace components of the drive train system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1036: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the suspension system.
2. Troubleshoot/diagnose the suspension system.
3. Repair the suspension system.
4. Replace components of the suspension system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1037: Perform maintenance on the chassis system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the chassis system.
2. Troubleshoot/diagnose the chassis system.
3. Repair the chassis system.
4. Replace components of the chassis system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1038: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a MTRV maintenance scenario, a MTRV, tools, equipment, supplies and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Inspect the steering system.
2. Troubleshoot/diagnose the steering system.
3. Repair the steering system.
4. Replace components of the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-1039: Perform maintenance on air conditioning system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a tactical wheeled vehicle equipped with air conditioning, supplies, equipment and references.

STANDARD: To ensure vehicle operates properly.

PERFORMANCE STEPS:

1. Identify components of the air conditioning system.
2. Diagnose a malfunctioning air conditioning system.
3. Perform air conditioning system recovery procedures.
4. Vacuum the air conditioning system.
5. Replace components of the air conditioning system.
6. Recharge the air conditioning system.
7. Check the air conditioning system for leaks.
8. Complete certification package.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MACSCTM Mobile Air Conditioning Society Certification Training Manual
 4. RED DOT MAN A/C MAN Red Dot Manufacture Corp Air Conditioning Manual
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5004. 2000-LEVEL INDIVIDUAL EVENTS

3521-ADMN-2001: Perform MIMMS related functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel, input transactions and output reports.

STANDARD: In accordance with maintenance management procedures to maintain unit readiness levels.

PERFORMANCE STEPS:

1. Identify the types of MIMMS input transactions.
2. Prepare MIMMS input transactions.
3. Audit MIMMS input transactions.
4. Determine the use of MIMMS output reports.
5. Audit output reports.
6. Establish equipment flow procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
4. MCO 3000.11 Marine Corps Automated Readiness Evaluation System (MARES)
5. MCO 4400.16 Uniform Materiel Movement and Issue Priority System
6. MCO P4400.150 Consumer Level Supply Policy Manual
7. MCO P4790.2 MIMMS Field Procedures Manual
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
9. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2002: Determine maintenance resources

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, a table of organization and table of equipment (TO&E), and the references.

STANDARD: To meet mission requirements and sustain unit readiness.

PERFORMANCE STEPS:

1. Determine personnel requirements.
2. Determine tools and equipment requirements.
3. Determine maintenance capabilities.

REFERENCES:

1. MCO P1200.7 Military Occupational Specialties Manual
2. MCO P4400.150 Consumer Level Supply Policy Manual
3. MCO P4790.2 MIMMS Field Procedures Manual
4. MCO P5311.1 Total Force Structure Process
5. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2003: Process equipment through the maintenance phases

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a maintenance facility, requirement, personnel and equipment.

STANDARD: To maintain unit readiness without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine tasks to be performed during the acceptance phase.
2. Determine tasks to be performed during the induction phase.
3. Determine tasks to be performed during the maintenance phase.
4. Determine tasks to be performed during the closeout phase.
5. Determine preventive maintenance requirements.
6. Determine corrective maintenance requirements.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCO P4790.2 MIMMS Field Procedures Manual
4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2004: Manage motor transport maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, personnel, records and the references.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Complete the records.
2. Audit the records.
3. Conduct the disposition.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
7. MCO 4855.10 Product Quality Deficiency Report (PQDR)
8. MCO P4790.2 MIMMS Field Procedures Manual
9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
10. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531.

The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2005: Validate supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, outstanding supply requisitions.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily validation process.
2. Perform procedures for the biweekly validation process.
3. Determine commodity sections responsibilities for validation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2006: Manage a publication control system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, records, space requirements, personnel and support equipment.

STANDARD: To maintain a unit's operational capability and readiness.

PERFORMANCE STEPS:

1. Inspect the library.
2. Order deficient publications.
3. Conduct the maintenance of publications.
4. Perform validation requirements.
5. Perform reconciliation requirements.
6. Apply changes.

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCO P5215.1 Marine Corps Directives Management Program
4. MCO P5215.17 USMC Technical Publications System
5. MCO P5600.31 Marine Corps Publications and Printing Regulations
6. NAVMC 2761 Catalog of Publications
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock
9. UM-MCPDS 5605 Marine Corps Publications Distribution System
10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2007: Maintain a section modification control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, references, personnel and equipment.

STANDARD: To meet safety and operational requirements or capabilities.

PERFORMANCE STEPS:

1. Identify modification instructions (MI) applicable to motor transport equipment.
2. Complete modification control records.
3. Audit modification control records.
4. Verify required modifications.
5. Determine the disposition of modification records.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. MCO P4790.2 MIMMS Field Procedures Manual
3. SL 1-2 Index of Authorized Publication for Equipment Support
4. SL 1-3 Index of Authorized Publications in Stock
5. TI 5600 Publication Information Marine Corps Equipment
6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
7. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2008: Maintain a section calibration control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, equipment, personnel and references.

STANDARD: To ensure equipment provides accurate test, measurement and diagnostic capabilities.

PERFORMANCE STEPS:

1. Identify unit Test Measurement and Diagnostic Equipment (TMDE).
2. Audit calibration control records.
3. Submit TMDE for calibration.
4. Conduct annual TMDE requirements.
5. Determine the disposition of calibration records.

REFERENCES:

1. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TI-4733-15/1 Calibration Requirements
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
5. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531.

The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2009: Maintain a section Pre-Expended Bins (PEB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, records, parts, personnel and storage bins.

STANDARD: To provide readily available high usage parts to enhance the overall readiness of the unit.

PERFORMANCE STEPS:

1. Obtain proper authorization for a PEB.
2. Identify criteria for items placed in the PEB.
3. Maintain the storage of items in the PEB.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2010: Process equipment lubricants through the Joint Oil Analysis Program (JOAP)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel, equipment and materials.

STANDARD: To enhance unit readiness and reduce damage to equipment components.

PERFORMANCE STEPS:

1. Determine equipment affected by JOAP.
2. Obtain oil samples.
3. Process oil samples.
4. Maintain records used for JOAP.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCO 4731.1 Oil Analysis Program for Ground Equipment
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4790.2 MIMMS Field Procedures Manual
6. TI 4731-14/1 Marine Corps Participation in the Joint Oil Analysis Program
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
8. TM 9-2300-422-23&P Army Oil Analysis Sampling Values Army Oil Analysis

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2011: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given level of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within the publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. FED LOG Federal Logistics Data on Compact Disk

7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2012: Reconcile supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given outstanding requisitions and references.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily reconciliation process.
2. Perform procedures for the biweekly reconciliation process.
3. Determine commodity sections responsibilities for reconciliation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2013: Maintain motor transport desktop procedures/turnover folders

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a billet requirement and references.

STANDARD: To maintain standards.

PERFORMANCE STEPS:

1. Determine appropriate content.
2. Gather information.
3. Update content as necessary.

REFERENCES:

1. MCO P4790.2 MIMMS Field Procedures Manual
2. SECNAVINST 5216.5 Department of the Navy Correspondence Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-ADMN-2014: Maintain a sections hazardous material site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, equipment and hazardous materials.

STANDARD: Without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Identify hazardous material.
2. Conduct the handling of hazardous materials.
3. Conduct the disposal of hazardous materials.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
3. CFR 49 Code of Federal Regulations - Transportation
4. DCAM 4145.11 Storage & Handling of Hazardous Material
5. FM 10-69 Petroleum Supply Point Equipment and Operations
6. MCO 4450-12 Storage and Holding of Hazardous Material
7. MCO P5090.2 Environmental Compliance and Protection Manual

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8. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
9. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
10. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
11. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-MAIN-2001: Complete motor transport equipment operation records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the appropriate forms, documents and references.

STANDARD: To maintain accurate accountability and serviceability of equipment.

PERFORMANCE STEPS:

1. Complete the operator's report of motor vehicle accident (SF-91).
2. Complete the vehicle and equipment operational record (NAVMC form 10627).

REFERENCES:

1. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3521-MAIN-2002: Operate the winch

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a motor transport tactical vehicle with a winch and references.

STANDARD: Safely without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Check winch controls for proper operation.
2. Payout the winch cable.
3. Check the winch cable for serviceability.
4. Prepare the winch for travel.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2003: Perform a Limited Technical Inspection (LTI)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a motor transport tactical vehicle, applicable forms, records and references.

STANDARD: To identify and correct any deficiencies or malfunctions.

PERFORMANCE STEPS:

1. Inspect the exterior of the vehicle.
2. Inspect the vehicle underbody.
3. Inspect the engine compartment.
4. Inspect the interior of the vehicle.
5. Inspect tools and associated equipment.
6. Complete the NAVMC 10284.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2004: Perform PMCS on M series trailers/dollies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an M series trailer/dolly, required tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2005: Perform maintenance on suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the suspension system for serviceability.
2. Diagnose a malfunctioning suspension system.
3. Replace components of the suspension system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2006: Perform maintenance on tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a HMMWV series vehicle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect tire/wheel assembly.
2. Remove tire/wheel assembly.

3. Disassemble tire/wheel assembly.
4. Assemble tire/wheel assembly.
5. Balance tire/wheel assembly.
6. Install tire/wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2007: Perform scheduled preventive maintenance checks and services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a HMMWV series vehicle, tools and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Determine required materials.
2. Determine the different types of PMCS performed.
3. Perform the different types of PMCS tasks.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2008: Perform second echelon maintenance on tactical trailers/dollies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an M-series trailer/dolly, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the trailer/dolly wiring/lighting system.
2. Replace components of the trailer/dolly wiring/lighting system.

3. Repair the trailer/dolly wiring/lighting system.
4. Inspect the trailer/dolly brake system.
5. Replace components of the trailer/dolly brake system.
6. Adjust the trailer/dolly brakes.
7. Replace the trailer/dolly landing legs.
8. Inspect the trailer/dolly body components.
9. Replace the trailer/dolly body components.
10. Inspect the trailer/dolly chassis components.
11. Replace the trailer/dolly chassis components.
12. Inspect the trailer/dolly suspension system.
13. Replace the trailer/dolly suspension components.
14. Replace the trailer/dolly suspension components.
15. Perform Scheduled Preventive Maintenance Checks and Services (PMCS)

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2009: Perform maintenance on the refueler

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Service the vehicle engine.
2. Service the fuel delivery system.
3. Adjust the control valve.
4. Inspect the fail safe units.
5. Diagnose the cause of a malfunctioning dispensing unit.
6. Perform scheduled preventive maintenance checks and services (PMCS)
7. Review current WSEM's, MI's, TI's and SI's.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2010: Perform maintenance on wiring/lighting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a HMMWV series vehicle, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the wiring/lighting system for serviceability.
2. Diagnose a malfunctioning wiring/lighting system.
3. Test components of the wiring/lighting system.
4. Replace components of the wiring/lighting system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2011: Replace the differential assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING:

CONDITION: Given a HMMWV with an unserviceable differential assembly tools and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Remove the differential assembly.
2. Install the differential assembly.
3. Perform an operational check on the differential assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2012: Perform maintenance on the fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the fuel system for serviceability.
2. Diagnose a malfunctioning fuel system.
3. Replace components of the fuel system.
4. Adjust components of the fuel system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2013: Perform maintenance on the engine exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the engine exhaust system for serviceability.
2. Diagnose a malfunctioning engine exhaust system.
3. Replace components of the engine exhaust system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2014: Perform maintenance on the electrical system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the electrical system for serviceability.
2. Diagnose a malfunctioning electrical system.
3. Replace components of the electrical system.
4. Test components of the electrical system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2015: Perform maintenance on the engine cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the engine cooling system for serviceability.
2. Diagnose a malfunctioning engine cooling system.
3. Replace components of the engine cooling system.
4. Test components of the engine cooling system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2016: Perform maintenance on the engine lubrication system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the engine lubrication system for serviceability.
2. Diagnose a malfunctioning engine lubrication system.
3. Replace components of the engine lubrication system.
4. Test components of the engine lubrication system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2017: Perform maintenance on the engine valve train assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the engine valve train assembly for serviceability.
2. Diagnose a malfunctioning engine valve train assembly.
3. Replace components of the engine valve train assembly.
4. Test components of the engine valve train assembly.
5. Adjust components of the engine valve train assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2018: Perform maintenance on the clutch assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the clutch assembly for serviceability.

2. Diagnose a malfunctioning clutch assembly.
3. Replace components of the clutch assembly.
4. Test components of the clutch assembly.
5. Adjust components of the clutch assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2019: Perform maintenance on the gear change mechanism

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the gear change mechanism for serviceability.
2. Diagnose a malfunctioning gear change mechanism
3. Replace components of the gear change mechanism.
4. Test components of the gear change mechanism
5. Adjust components of gear change mechanism.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2020: Perform maintenance on the tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components on the tire and wheel assembly for serviceability.
2. Diagnose a malfunctioning tire and wheel assembly.

3. Replace components of the tire and wheel assembly.
4. Test components of the tire and wheel assembly.
5. Adjust components of the tire and wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2021: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the suspension system for serviceability.
2. Diagnose a malfunctioning suspension system.
3. Replace components of the suspension system.
4. Test components of the suspension system.
5. Adjust components of the suspension system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2022: Perform maintenance on the swing arm assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the swing arm assembly for serviceability.
2. Diagnose a malfunctioning swing arm assembly.

3. Replace components of the swing arm assembly.
4. Test the swing arm assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2023: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the steering system for serviceability.
2. Diagnose a malfunctioning steering system.
3. Replace components of the steering system.
4. Adjust the steering system.
5. Test the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2024: Perform maintenance on the controls/instruments

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the control/instruments for serviceability.
2. Diagnose malfunctioning control/instruments.
3. Replace components of the control/instruments.

4. Adjust the control/instruments.
5. Test the control/instruments.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2025: Perform maintenance on the engine assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the engine assembly for serviceability.
2. Diagnose a malfunctioning engine assembly.
3. Replace components of the engine assembly.
4. Test the engine assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2026: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Perform a 500 mile PMCS.
2. Perform a 3,000 mile PMCS.
3. Perform a 6,000 mile PMCS.
4. Perform a 9,000 mile PMCS.
5. Perform a 12,000 mile PMCS.

6. Perform a 15,000 mile PMCS.
7. Perform a 18,000 mile PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2027: Conduct an operational road test

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure operator has the required skills to drive a motorcycle.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Operate the motorcycle in a straight line.
3. Perform transmission up shifts.
4. Perform right turns.
5. Perform left turns.
6. Perform transmission down shifts.
7. Stop the motorcycle.
8. Park the motorcycle
9. Perform during operation PMCS.
10. Perform after operation PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2028: Perform maintenance on the brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Military Motorcycle, tools, equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect components of the brake system for serviceability.
2. Diagnose a malfunctioning brake system.
3. Replace components of the brake system.
4. Test components of the brake system.
5. Adjust components of the brake system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2029: Perform maintenance on the air induction system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the air induction system for serviceability.
2. Service the air induction system.
3. Test the air induction system.
4. Diagnose a malfunctioning air induction system.
5. Repair components of the air induction system.
6. Replace components of the air induction system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2030: Perform maintenance on the engine exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the exhaust system for serviceability.
2. Diagnose a malfunctioning exhaust system.
3. Repair components of the exhaust system.
4. Replace components of the exhaust system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2031: Perform maintenance on the engine fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the fuel system for serviceability.
2. Service the fuel system.
3. Diagnose an malfunctioning fuel system.
4. Test components of the fuel system.
5. Repair components of the fuel system.
6. Replace components of the fuel system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2032: Perform maintenance on the engine cold start system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the cold start system for serviceability.
2. Test components of the cold start system.
3. Diagnose a malfunctioning cold start system.
4. Repair components of the cold start system.
5. Replace components of the cold start system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2033: Perform maintenance on the engine cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the cooling system for serviceability.
2. Test components of the cooling system.
3. Diagnose a malfunctioning cooling system.
4. Repair components of the cooling system.
5. Replace components of the cooling system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2034: Perform maintenance on the axle assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Remove the axle components.
2. Inspect the axle components.
3. Diagnose a malfunctioning axle assembly.
4. Service the axle components.
5. Repair the axle components.
6. Install the axle components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2035: Perform maintenance on the tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Remove the tire/wheel assembly.
2. Inspect the tire/wheel assembly.
3. Diagnose a malfunctioning tire/wheel assembly.
4. Repair the tire/wheel assembly.
5. Install the tire/wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2036: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the suspension system for serviceability.
2. Diagnose a malfunctioning suspension system.
3. Repair suspension system components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2037: Perform maintenance on the electrical accessories system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the electrical system for serviceability.
2. Test the electrical system.
3. Diagnose a malfunctioning electrical system.
4. Repair the electrical system.
5. Replace components of the electrical system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2038: Perform troubleshooting diagnosis with Vehicle Automated Diagnostic System (VADS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Perform go-chain tests.
2. Perform no-go tests.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2039: Perform maintenance on the drive train

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools and test equipment.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Perform maintenance on the transmission.
2. Perform maintenance on the propeller shaft system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2040: Perform maintenance on the compressed air brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Test the ARC brake system.
2. Diagnose a malfunctioning brake system.
3. Adjust the ARC brake system.
4. Repair the brake system.
5. Perform road test of the ARC.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2041: Perform maintenance on the wheel brake mechanism

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Test wheel brake mechanism.
2. Diagnose a malfunctioning wheel brake mechanism.
3. Adjust wheel brake mechanism.
4. Replace wheel brake mechanism components.
5. Repair the wheel brake mechanism.
6. Perform road of ARC.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2042: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the steering system for serviceability.
2. Diagnose a malfunctioning steering system.
3. Test the steering system.
4. Repair the steering system.
5. Adjust the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3521-MAIN-2043: Perform scheduled preventive maintenance checks and services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Perform scheduled preventive maintenance checks and services (PMCS)
2. Review current WSEM's, MI's, SI's and TI's.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2044: Perform maintenance on the starting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the starter wiring/cabling for serviceability.
2. Inspect the starter wiring/cabling connections for serviceability.
3. Inspect the starter for proper mounting.
4. Test the starter.
5. Diagnose the cause of a malfunctioning starting system.
6. Repair the starter wiring/cabling.
7. Replace the starter.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2045: Perform maintenance on the battery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Inspect the batteries for serviceability.
2. Test the batteries.
3. Service the batteries.
4. Diagnose the cause of a malfunctioning battery system.
5. Replace the batteries.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-MAIN-2046: Perform maintenance on the charging system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Test the alternator output.
2. Diagnose a malfunctioning charging system.
3. Adjust the alternator output.
4. Replace the alternator.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2047: Perform maintenance on the refueling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Service the fuel delivery system.
2. Service the fuel safe units.
3. Diagnose the cause of a malfunctioning dispensing unit.
4. Service the fuel valves.
5. Service the fuel meter.
6. Service the fuel pump.
7. Service the hose reels.
8. Inspect the refueler tank for serviceability.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3521-MAIN-2048: Perform maintenance on the engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a refueler, tools, test equipment and references.

STANDARD: To ensure equipment is operational and without deficiencies.

PERFORMANCE STEPS:

1. Check engine for serviceability.
2. Service the engine.
3. Diagnose a malfunctioning engine.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3521-OPER-2001: Determine motor transport units and their mission

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a requirement.

STANDARD: To accurately identify mission responsibilities to meet support requirements.

PERFORMANCE STEPS:

1. Determine the mission of motor transport units/sections within a Marine Division.
2. Determine the mission of motor transport units/sections within the Marine Logistics Group (MLG).
3. Determine the mission of motor transport units/sections within the Marine Aircraft Wing (MAW).
4. Determine the mission of motor transport units/sections within the Command Element (CE)/MEF Headquarters Group (MHG).

REFERENCES:

1. MARADMIN 335/05 Realignment and Renaming of the Force Service Support Group (FSSG)
2. MCWP 4-11.3 Transportation Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2002: Conduct the dispatching of equipment using automated informational system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, personnel and equipment for vehicle movements, automated informational system.

STANDARD: To safely meet operational requirements.

PERFORMANCE STEPS:

1. Perform asset management.
2. Process movement planning.
3. Establish movement coordination.
4. Perform movement execution.

REFERENCES:

1. MDSS II HM MAGTF Deployment Support System, User's Help Manual
2. MSTP PAM 4-0.1 Movement Control

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2003: Manage the use of operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, equipment, personnel, and the required forms.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Complete operational records.
2. Audit operational records.
3. Determine the disposition of operational records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2004: Direct limited vision driving operations for a movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement, references, equipment, material, personnel and a limited vision situation.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine methods of illumination.
2. Determine appropriate visual signals.
3. Determine appropriate audio signals.
4. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 55-30 Army Motor Transport Units and Operations
5. MCRP 4-11.3F Convoy Operations Handbook
6. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
7. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
8. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
9. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2005: Direct Preventive Maintenance Checks and Services (PMCS) on equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, a requirement, equipment, tools, personnel and materials.

STANDARD: To maintain unit combat readiness levels.

PERFORMANCE STEPS:

1. Assign personnel to equipment.
2. Provide required materials.
3. Determine the different types of PMCS.
4. Supervise conduct of PMCS.
5. Forward results for corrective action.
6. Maintain tool control procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P4790.2 MIMMS Field Procedures Manual
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2006: Conduct vehicle self recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided a vehicle to be recovered, references and appropriate equipment.

STANDARD: To move a disabled vehicle to a designated location without injury to personnel or further damage to equipment.

PERFORMANCE STEPS:

1. Perform the eight step recovery method.
2. Identify safety requirements.
3. Direct recovery operations using mechanical advantage.
4. Direct recovery operations using anchors.
5. Direct towing operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. MCRP 4-11.3F Convoy Operations Handbook
5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2007: Conduct battle damage assessment/repairs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, equipment, tools and personnel.

STANDARD: To safely meet operational requirement without further damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Perform emergency fan clutch override service.
2. Perform the caging of the spring air brake chambers.
3. Perform flat tow operations.
4. Perform limp home operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3. MCRP 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2008: Supervise fording operations for m series vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a fording mission, personnel, equipment, required tools and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment per the references.

PERFORMANCE STEPS:

1. Direct pre-operation checks and services.
2. Direct the fording operation.
3. Direct after-operation checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 5-170 Engineer Reconnaissance
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. MCWP 3-17.1 River-Crossing Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2009: Conduct land navigation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, land navigational devices, personnel, equipment and the references.

STANDARD: To meet mission requirements to a predetermined destination.

PERFORMANCE STEPS:

1. Prepare equipment for operation.
2. Enter waypoint data.
3. Navigate from one position to another.

REFERENCES:

1. FM 21-26 Map Reading and Land Navigation
2. TB 11-5825-291-10-3 The PLGR made simple
3. TM 09880A-10-3 Satellite Signals Navigation Set, AN/PSN -11
4. TM 09880C-0R Operator's Guide, DAGR Operator's Pocket Guide
5. TM 11-5825-291-13 Satellite Signals Navigation Sets AN/PSN-11

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3521-OPER-2010: Conduct convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, vehicles, personnel, required tools, cargo and equipment.

STANDARD: To arrive at a determined location with all required equipment and personnel.

PERFORMANCE STEPS:

1. Analyze the movement order.
2. Organize the convoy in march order.
3. Identify classifications for routes.
4. Identify defense requirements of a tactical convoy.
5. Identify convoy communication requirements.
6. Inspect cargo loads.
7. Conduct a convoy commander's brief.
8. Conduct a debrief.
9. Prepare an After Action Report (AAR).

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 5-170 Engineer Reconnaissance
3. FM 5-36 Route Reconnaissance and Classification
4. FM 55-15 Transportation Reference Data
5. FMFM 7-28 Jungle Operations
6. FMFM 7-29 Mountain Operations
7. MCRP 3-40-3A Mult Service Communications Procedures and Tactical Radio Procedures in Joint Environment
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
11. MCWP 3-17.1 River-Crossing Operations
12. MCWP 3-35.6 Desert Operations
13. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
14. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
15. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3521 MOJT EVENT has a related 3531 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

MOTOR T T&R MANUAL

CHAPTER 6

MOS 3522 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 6

MOS 3522 INDIVIDUAL EVENTS

6000. PURPOSE. This chapter includes all individual events for the Automotive Intermediate Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

6001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3522).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

6002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

EVENT	TITLE	PAGE
	2000-LEVEL INDIVIDUAL EVENTS	
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3522-MAIN-2002	Rebuild transmissions commonly found in tactical equipment.	6-4
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6003. 2000-LEVEL INDIVIDUAL EVENTS

3522-MAIN-2001: Rebuild engines commonly found in tactical equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty engines, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble engine.
2. Inspect subassemblies and components for serviceability.
3. Repair/replace unserviceable subassemblies and components.
4. Assemble engine.
5. Perform final engine run-in and adjustments.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
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3522-MAIN-2002: Rebuild transmissions commonly found in tactical equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty transmissions, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble transmission.
2. Inspect transmission components for serviceability.
3. Replace unserviceable components.
4. Assemble transmission.
5. Test and adjust transmission.
6. Adjust transmission.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3522-MAIN-2003: Rebuild transfers commonly found in tactical equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty transfers, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble transfer.
2. Inspect transfer components for serviceability.
3. Replace unserviceable components.
4. Assemble transfer.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3522-MAIN-2004: Rebuild geared hubs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty geared hubs, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble geared hubs.
2. Inspect geared hub components for serviceability.
3. Replace unserviceable components.
4. Assemble geared hubs.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3522-MAIN-2005: Rebuild axle/differential assemblies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty axle/differential assemblies, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble axle/differential.
2. Inspect axle/differential components for serviceability.
3. Replace unserviceable components.
4. Assemble axle/differential.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3522-MAIN-2006: Rebuild winches

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty winches, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble winch.
2. Inspect winch components for serviceability.
3. Replace unserviceable components.
4. Assemble winch.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3522-MAIN-2007: Rebuild hydraulic system components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty hydraulic system components, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble hydraulic system components.
2. Inspect disassembled hydraulic system components for serviceability.
3. Repair or replace unserviceable components.
4. Assemble hydraulic system components.
5. Perform necessary adjustments.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3522-MAIN-2008: Rebuild brake system components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty brake system components, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble brake system components.
2. Inspect disassembled brake system components for serviceability.
3. Repair or replace unserviceable components.
4. Assemble brake system components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3522-MAIN-2009: Rebuild steering system components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3522

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with faulty steering system components, required tools, replacement parts, shop supplies, cleaning material and references.

STANDARD: To restore equipment to maintain unit readiness.

PERFORMANCE STEPS:

1. Disassemble steering system components.
2. Inspect disassembled steering system components for serviceability.
3. Repair/replace unserviceable components.
4. Assemble steering system components.
5. Test steering system components.
6. Perform necessary adjustments.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

MOTOR T T&R MANUAL

CHAPTER 7

MOS 3523 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 7

MOS 3523 INDIVIDUAL EVENTS

7000. PURPOSE. This chapter includes all individual events for the Logistics Vehicle System Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

7001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3510).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

7002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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3523-MAIN-2002	Perform operational check on MK48/MK48A1/MK15	7-4
3523-MAIN-2003	Perform operational checks on MK48/MK48A1/MK18/MK18A1	7-5
3523-MAIN-2004	Perform maintenance on engine	7-5
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3523-MAIN-2006	Perform maintenance on engine exhaust system	7-6
3523-MAIN-2007	Perform maintenance on engine fuel system	7-7
3523-MAIN-2008	Perform maintenance on engine cold start system	7-7
3523-MAIN-2009	Perform maintenance on engine cooling system	7-8
3523-MAIN-2010	Perform maintenance on axle assembly	7-8
3523-MAIN-2011	Perform maintenance on tire/wheel assembly	7-9
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3523-MAIN-2020	Perform maintenance on starting system	7-13
3523-MAIN-2021	Perform maintenance on the battery system	7-14
3523-MAIN-2022	Perform maintenance on the charging system	7-14

7003. 2000-LEVEL INDIVIDUAL EVENTS

3523-MAIN-2001: Perform operational check on MK48/MK48A1/16

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational MK48/16 and references.

STANDARD: In a safe manner with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate vehicle in reverse.
2. Change the goose neck position.
3. Employ MK48/16 winch.
4. Adjust MK16 fifth wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2002: Perform operational check on MK48/MK48A1/MK15

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an MK48/Mk15 combination, reference, tools, and equipment.

STANDARD: In a safe manner with no damage to vehicle or injury to personnel.

PERFORMANCE STEPS:

1. Extend outriggers.
2. Extend stabilizers.
3. Unstow the crane.
4. Raise the boom.
5. Rotate the crane.
6. Extend the boom.
7. Lift a load.
8. Operate the crane electrically.
9. Swing the load.
10. Lower the load.

11. Retract the boom.
12. Stow the boom.
13. Retract the stabilizers.
14. Retract the outriggers.
15. Extend the A-frame cylinders.
16. Retract the A-frame cylinders.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2003: Perform operational checks on MK48/MK48A1/MK18/MK18A1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a MK48/MK18/MK18A1 combination, tools, equipment and references.

STANDARD: In a safe manner with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare MK48/MK18/MK18A1 for operation.
2. Operate the MK48/MK18/MK18A1 using the remote control.
3. Operate the MK48/MK18/MK18A1 using the manual controls.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2004: Perform maintenance on engine

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Service the engine.
2. Check the engine for serviceability.
3. Diagnose a malfunctioning engine.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2005: Perform maintenance on air induction system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the air induction system for serviceability.
2. Service the air induction system.
3. Test the air induction system.
4. Diagnose a malfunctioning air induction system.
5. Repair components of the air induction system.
6. Replace components of the air induction system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2006: Perform maintenance on engine exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the exhaust system for serviceability.

2. Diagnose a malfunctioning exhaust system.
3. Repair components of the exhaust system.
4. Replace components of the exhaust system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2007: Perform maintenance on engine fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the fuel system for serviceability.
2. Service the fuel system.
3. Test components of the fuel system.
4. Diagnose a malfunctioning fuel system.
5. Repair components of the fuel system.
6. Replace components of the fuel system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2008: Perform maintenance on engine cold start system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the cold start system for serviceability.
2. Test components of the cold start system.

3. Diagnose a malfunctioning cold start system.
4. Repair components of the cold start system.
5. Replace components of the cold start system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3523-MAIN-2009: Perform maintenance on engine cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, reference, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Diagnose a malfunctioning cooling system.
2. Replace components of the cooling system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3523-MAIN-2010: Perform maintenance on axle assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Remove the axle shaft.
2. Inspect the axle assembly.
3. Diagnose a malfunctioning axle assembly.
4. Service the axle assembly.

5. Repair the axle assembly.
6. Install the axle shaft.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2011: Perform maintenance on tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Remove the tire/wheel assembly.
2. Inspect the tire/wheel assembly.
3. Diagnose a malfunctioning tire/wheel assembly.
4. Repair the tire/wheel assembly.
5. Install the tire/wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2012: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the suspension for serviceability.
2. Diagnose a malfunctioning suspension system.

3. Repair suspension system.
4. Replace components of the suspension system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2013: Perform maintenance on drive train

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Perform maintenance on the transmission.
2. Perform maintenance on the transfer assembly.
3. Perform maintenance on the propeller shaft system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2014: Perform maintenance on electrical system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the electrical system for serviceability.
2. Test the electrical system.
3. Diagnose the malfunctioning electrical system.
4. Repair the electrical system.

5. Replace components of the electrical system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2015: Perform maintenance on compressed air brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Test the LVS brake system.
2. Diagnose a malfunctioning brake system.
3. Adjust the LVS brake system.
4. Repair the brake system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2016: Perform maintenance on wheel brake mechanism

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Test wheel brake mechanism.
2. Diagnose a malfunctioning wheel brake mechanism.
3. Adjust wheel brake mechanism.
4. Replace wheel brake mechanism components.

5. Repair the wheel brake mechanism.
6. Perform road test.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2017: Perform maintenance on steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the steering system for serviceability.
2. Diagnose a malfunctioning steering system.
3. Test the steering system.
4. Repair the steering system.
5. Adjust the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2018: Perform maintenance on auxiliary hydraulic system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Logistics Vehicle System (LVS), tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the auxiliary hydraulic system for serviceability.
2. Test the auxiliary hydraulic system.

3. Repair the auxiliary hydraulic system.
4. Replace components of the auxiliary hydraulic system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3523-MAIN-2019: Perform scheduled Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Logistics Vehicle System (LVS), reference, tools and equipment.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Perform scheduled preventive maintenance checks and services (PMCS).
2. Review current WSEM's, MI's, SI's, and TI's.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3523-MAIN-2020: Perform maintenance on starting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, reference, tools, and equipment.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the starter wiring/cabling for serviceability.
2. Inspect the starter for proper mounting.
3. Test the starter.
4. Diagnose the cause of a malfunctioning starting system.

5. Repair the starter wiring/cabling.
6. Replace the starter.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2021: Perform maintenance on the battery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, reference, tools, and equipment.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the batteries for serviceability.
2. Test the batteries.
3. Service the batteries.
4. Diagnose the cause of a malfunctioning battery system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3523-MAIN-2022: Perform maintenance on the charging system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3523

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an MK48/MK48A1, reference, tools, and equipment.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Test the alternator output.
2. Diagnose a malfunctioning charging system.
3. Adjust the alternator output.
4. Replace the alternator.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

MOTOR T T&R MANUAL

CHAPTER 8

MOS 3524 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 8

MOS 3524 INDIVIDUAL EVENTS

8000. PURPOSE. This chapter includes all individual events for the Fuel and Electrical Systems Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

8001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3510).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

8002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

EVENT	TITLE	PAGE
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3524-MAIN-2008	Rebuild an alternator	8-7
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3524-MAIN-2010	Rebuild a nozzle	8-8
3524-MAIN-2011	Rebuild an injector	8-9
3524-MAIN-2012	Rebuild a fuel pump	8-10
3524-MAIN-2013	Rebuild a fuel injection pump	8-10

8003. 2000-LEVEL INDIVIDUAL EVENTS

3524-MAIN-2001: Perform maintenance on fuel system test equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with fuel system component test and repair equipment, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To maintain serviceable and operational equipment.

PERFORMANCE STEPS:

1. Perform daily services.
2. Perform monthly services.
3. Perform three month services.
4. Perform six month services.
5. Perform twelve month services.
6. Troubleshoot electrical system.
7. Troubleshoot pneumatic system.
8. Troubleshoot hydraulic system.
9. Replace defective components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. AVM2-PC OPERATING, SERVICING, AND SPARES MANUAL FUEL PUMPS/INJECTION PUMPS
4. Bacharach CD3 Operator and Service Manual Injectors
5. H.A. 290 INJ TEST ST 290 CUMMINS INJECTOR TEST STAND OPERATING AND SERVICING MANUAL
6. H.F. 491 TEST UNIT Hartridge H.F. 491 Mobile Test unit Operating, Servicing Manual

3524-MAIN-2002: Perform maintenance on Alternator/Generator/Regulator and Starter test stand (AGRS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an alternator, generator, AGRS test stand, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To maintain serviceable and operational equipment.

PERFORMANCE STEPS:

1. Perform before operation checks and services.
2. Perform during operation checks and services.
3. Perform after operation checks and services.
4. Troubleshoot electrical system.
5. Replace defective components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AGRS OPS AND MAINT OPERATIONAL AND MAINTENANCE MANUAL FOR AGRS TEST STAND, MODEL 93-1064
 3. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2003: Rebuild a turbocharger

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty turbocharger, required tools, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To maintain restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble the turbocharger.
2. Inspect the components for serviceability.
3. Replace any unserviceable components.
4. Assemble the turbocharger.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2004: Rebuild a blower

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty blower, required tools, replacement parts, shop supplies, cleaning materials, and reference.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble the blower.
2. Inspect the blower components for serviceability.
3. Replace any unserviceable components.
4. Assemble blower.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2005: Rebuild a starter

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty starter, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble a starter.
2. Inspect the starter components for serviceability.
3. Replace any unserviceable components.
4. Assemble the starter.
5. Test the starter.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2006: Rebuild a generator

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty generator, required tools, test equipment, replacement parts, shop supplies, cleaning materials and reference.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble a generator.
2. Inspect the generator components for serviceability.
3. Replace any unserviceable components.
4. Assemble the generator.
5. Test the generator.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 9-2920-242-34&P JACK & HEINTZ 300 AMP GENERATOR
-

3524-MAIN-2007: Test regulators

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with regulators, required tools, test equipment, shop supplies, cleaning materials, and references.

STANDARD: To insure component functions and operates properly.

PERFORMANCE STEPS:

1. Connect test equipment.
2. Test regulator.
3. Disconnect test equipment.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AGRS OPS AND MAINT OPERATIONAL AND MAINTENANCE MANUAL FOR AGRS TEST STAND, MODEL 93-1064
 3. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2008: Rebuild an alternator

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty alternator, test equipment, cleaning materials and applicable reference.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble an alternator.
2. Inspect the alternator components for serviceability.
3. Replace any unserviceable components.
4. Assemble the alternator.
5. Test the alternator.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2009: Repair personnel heater

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty personnel heater, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Disassemble a heater.
2. Inspect the components for serviceability.
3. Replace any unserviceable components.
4. Assemble the heater.
5. Test the heater.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2010: Rebuild a nozzle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty nozzle, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Perform a nozzle pretest.
2. Disassemble the nozzle.
3. Inspect the nozzle components for serviceability.
4. Replace any unserviceable components.
5. Assemble the nozzle.
6. Calibrate the nozzle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. TM 00038G-035 MEP006A, MEP105A & MEP115A Generators
 4. TM 9-2815-220-34 Direct Support and General Support Maintenance Manual for Engine with Container: Turbocharged, Diesel, Fuel Injection, 90-Degree "V" Type, Air cooled, 12-Cylinder, Assembly
-

3524-MAIN-2011: Rebuild an injector

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty injector, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Perform an injector pretest.
2. Disassemble the injector.
3. Inspect the injector components for serviceability.
4. Replace any unserviceable components.
5. Assemble the injector.
6. Calibrate the injector.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2012: Rebuild a fuel pump

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty fuel pump, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Perform a pump pretest.
2. Disassemble the fuel pump.
3. Inspect the components for serviceability.
4. Replace any unserviceable components.
5. Assemble the fuel pump.
6. Calibrate the fuel pump.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3524-MAIN-2013: Rebuild a fuel injection pump

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3524

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a faulty injection pump, required tools, test equipment, replacement parts, shop supplies, cleaning materials and references.

STANDARD: To restore component to an operational level.

PERFORMANCE STEPS:

1. Perform a pretest.
2. Disassemble the fuel injection pump.
3. Inspect the components serviceability.
4. Replace any unserviceable components.
5. Assemble the fuel injection pump.
6. Calibrate the fuel injection pump.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. RS-8757A-50 Tractor, Med, Ft, Model D7G
4. TM 00038G-035 MEP006A, MEP105A & MEP115A Generators

MOTOR T T&R MANUAL

CHAPTER 9

MOS 3526 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 9

MOS 3526 INDIVIDUAL EVENTS

9000. PURPOSE. This chapter includes all individual events for the Crash/Fire/Rescue Vehicle Mechanic. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

9001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3526).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

9002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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9003. 2000-LEVEL INDIVIDUAL EVENTS

3526-LIC-2001: Perform Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle, tools, equipment and references.

STANDARD: Ensuing that all malfunctions are annotated and corrected.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. LI 08674A-12/1 Lubrication Instruction, Aircraft CFR Truck.
 4. TM 08674A-10/1 Ops and Maintenance Instructions Aircraft CFR Truck
-

3526-MAIN-2001: Operate the truck firefighting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To successfully employ equipment during fires with minimum damage to equipment, personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Engage fire fighting systems.
3. Test fire fighting systems.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals

3526-MAIN-2002: Operate the truck in conjunction with road testing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To safely maneuver vehicle with minimum damage to equipment, personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Drive the vehicle in all forward ranges.
3. Drive the vehicle in reverse.
4. Park the vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2003: Perform operator/crew maintenance on the P-19

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a P-19, references, tools, and equipment.

STANDARD: Operator/crew maintenance will be performed per the references.

PERFORMANCE STEPS:

1. Perform before operations PMCS.
2. Perform during operations PMCS.
3. Perform after operations PMCS.
4. Perform weekly operations PMCS.
5. Perform monthly operations PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2004: Operate the structural panel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire Rescue vehicle and references.

STANDARD: To successfully employ equipment during fires with minimum damage to equipment, personnel or property.

PERFORMANCE STEPS:

1. Perform operator PMCS.
2. Start vehicle.
3. Activate the structural panel.
4. Engage the pump.
5. Engage the structural panel throttle.
6. Disengage the structural panel throttle.
7. Deactivate the structural panel.
8. Shut off the vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2005: Perform maintenance on the wiring/lighting system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty electrical wiring/lighting components, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the wiring/lighting system.

2. Test the wiring/lighting system.
3. Diagnose faulty wiring/lighting system.
4. Adjust components of the wiring/lighting system.
5. Replace components of the wiring/lighting system.
6. Repair defective wiring.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2006: Perform maintenance on the cranking system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty cranking system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cranking system.
2. Test the cranking system.
3. Diagnose a malfunctioning cranking system.
4. Replace defective components of the cranking system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2007: Perform maintenance on the charging system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty charging system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the charging system.
2. Test the charging system.
3. Diagnose a malfunctioning charging system.
4. Replace defective components of the charging system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2008: Perform maintenance on the air induction system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty air induction system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect air induction system.
2. Test air induction system.
3. Diagnose a malfunctioning air induction system.
4. Service the air induction system.
5. Repair air induction system.
6. Replace defective components of the air induction system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3526-MAIN-2009: Perform maintenance on the compressed air brake system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty air brake system, replacement parts, tools, equipment and references.

STANDARD: As prescribed in the current reference(s).

PERFORMANCE STEPS:

1. Inspect the air brake system.
2. Test the air brake system.
3. Diagnose a malfunctioning air brake system.
4. Service the air brake system.
5. Replace defective components of the air brake system.
6. Adjust air brake system as required.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2010: Perform maintenance on the exhaust system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty exhaust system, replacement parts, tools and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the exhaust system.
2. Test the exhaust system.
3. Diagnose a malfunctioning exhaust system.
4. Replace defective components of the exhaust system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2011: Perform maintenance on the fuel system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty fuel system, replacement parts, tools equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the fuel system.
2. Test the components of the fuel system.
3. Diagnose a malfunctioning fuel system.
4. Service the fuel system.
5. Replace components of the fuel system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2012: Perform maintenance on the cold start system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty starting system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cold start system.
2. Test the cold start system.
3. Diagnose a malfunctioning cold start system.
4. Replace defective components of the cold start system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2013: Perform maintenance on the hub assemblies

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty hub system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Remove the truck hubs.
2. Inspect the truck hub assemblies for serviceability.
3. Remove the bearings.
4. Inspect the hub and bearing assemblies for serviceability.
5. Replace defective assembly components.
6. Install the bearings.
7. Install the hub assemblies.
8. Adjust the bearings.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2014: Perform maintenance on the drive train

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty drive train, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Perform maintenance on the transmission.
2. Perform maintenance on the power divider.
3. Perform maintenance on the propeller shaft assemblies.
4. Perform maintenance on the axles.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2015: Perform maintenance on the cooling system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty cooling system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the cooling system.
2. Test the cooling system.
3. Diagnose a malfunctioning cooling system.
4. Service the cooling system.
5. Replace components of the cooling system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2016: Perform maintenance on the suspension system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty suspension system, replacement parts, tools and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the suspension system.
2. Test suspension system.
3. Diagnose a malfunctioning suspension system.
4. Replace unserviceable suspension components.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2017: Perform maintenance on the tire/wheel assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a Crash/Fire and Rescue vehicle, replacement parts, tools, equipment and references.

STANDARD: To successfully maintain operational status.

PERFORMANCE STEPS:

1. Inspect the tire/wheel assembly.
2. Diagnose a malfunctioning tire/wheel assembly.
3. Remove the tire/wheel assembly.
4. Repair the tire/wheel assembly.
5. Install the tire/wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2018: Perform maintenance on the fire fighting systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty fire fighting system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect fire fighting system.
2. Test fire fighting system.
3. Diagnose a malfunctioning fire fighting system.
4. Repair fire fighting system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2019: Perform maintenance on the steering system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty steering system, replacement parts, tools and equipment.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the steering system.
2. Test the steering system.
3. Diagnose a malfunctioning steering system.
4. Service the steering system.
5. Replace components of the steering system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2020: Rebuild firefighting system components

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty components, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the fire fighting system components.
2. Determine repairs required.
3. Replace or repair component.
4. Test component for operability.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2021: Perform scheduled Preventive Maintenance Checks and Services (PMCS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with replacement parts, tools, equipment and references.

STANDARD: To successfully maintain the system at an operational level.

PERFORMANCE STEPS:

1. Perform weekly PMCS.
2. Perform quarterly PMCS.
3. Perform bi-annual PMCS.
4. Perform annual PMCS.
5. Lubricate the vehicle in conjunction with PMCS.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2022: Perform maintenance on the winterization system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3525

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle during the beginning of the winter season and references.

STANDARD: To maintain the proper cooling level and prevent overheating.

PERFORMANCE STEPS:

1. Inspect winterization system.
2. Test winterization system.
3. Diagnose a malfunctioning winterization system.
4. Repair/replace defective components of the winterization system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2023: Perform maintenance on the agent delivery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty agent delivery system, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the agent delivery system.
2. Test the agent delivery system.
3. Diagnose a malfunctioning agent delivery system.
4. Adjust the system as required.
5. Replace unserviceable components of the agent delivery system.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2024: Perform maintenance on the structural panel

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty structural panel, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the structural panel.
2. Operate the structural panel.
3. Diagnose a malfunctioning structural panel.
4. Replace unserviceable components of the panel.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2025: Perform maintenance on the power divider

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty power divider, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the power divider assembly.
2. Diagnose a malfunctioning power divider assembly.
3. Remove the power divider assembly.
4. Rebuild the power divider assembly.
5. Install the power divider assembly.
6. Test the power divider assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2026: Perform maintenance on the water delivery pump

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty water delivery pump, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the water pump assembly.
2. Diagnose a malfunctioning water pump assembly.
3. Remove the water pump assembly.
4. Rebuild the water pump assembly.
5. Install the water pump assembly.
6. Test the water pump assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
-

3526-MAIN-2027: Perform maintenance on the water pump assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3526

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a Crash/Fire and Rescue vehicle with a damaged or faulty water pump assembly, replacement parts, tools, equipment and references.

STANDARD: To successfully restore the system to operational status.

PERFORMANCE STEPS:

1. Inspect the water pump clutch assembly.
2. Diagnose a malfunctioning water pump clutch assembly.
3. Remove the water pump clutch assembly.
4. Rebuild the water pump clutch assembly.
5. Install the water pump clutch assembly.
6. Test the water pump clutch assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

MOTOR T T&R MANUAL

CHAPTER 10

MOS 3529 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 10

MOS 3529 INDIVIDUAL EVENTS

10000. PURPOSE. This chapter includes all individual events for the Motor Transport Maintenance Chief. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

10001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3529).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Chief individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

10002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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10003. 2000-LEVEL INDIVIDUAL EVENTS

3529-ADMN-2101: Conduct a motor transport vehicle accident investigation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given records, reports, forms and a convening authority.

STANDARD: To record relevant information about an incident or event of primary interest to command authorities.

PERFORMANCE STEPS:

1. Gather information pertaining to the accident.
2. Write a preliminary statement.
3. Write the findings of fact.
4. Write opinions from conclusions derived from the facts.
5. Write recommendations.
6. Arrange contents of the report in proper sequence.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. JAGINST 5800.7 Manual of the Judge Advocate General (JAGMAN)
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
6. UM 4400-124 FMF SASSY Using Unit Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2102: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given level of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. FED LOG Federal Logistics Data on Compact Disk
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2103: Prepare motor transport related correspondence

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a requirement.

STANDARD: To ensure compliance with Naval Correspondence procedures.

PERFORMANCE STEPS:

1. Gather information.
2. Prepare Naval correspondence.
3. Submit Naval correspondence.

REFERENCES:

1. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
-

3529-ADMN-2104: Direct the use of motor transport maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, a requirement, personnel and records.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Enforce the procedures for completing records.
2. Audit the records.
3. Manage the disposition of records.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES)
Equipment
7. MCO 4855.10 Product Quality Deficiency Report (PQDR)
8. MCO P4790.2 MIMMS Field Procedures Manual
9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
10. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2105: Manage a section Pre-Expended Bins (PEB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, personnel, parts and a requirement.

STANDARD: To provide readily available high usage parts to enhance the overall readiness of the unit.

PERFORMANCE STEPS:

1. Obtain proper authorization for a PEB.
2. Identify criteria for items placed in the PEB.
3. Determine accountability requirements.
4. Maintain the storage of items in the PEB.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2106: Establish a motor transport resources requirements plan

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and a mission.

STANDARD: To meet the Commanding Officer's timeline requirements by identifying all support requirements.

PERFORMANCE STEPS:

1. Determine equipment requirements.
2. Determine personnel requirements.
3. Determine repair parts requirements.
4. Determine petroleum, oil and lubricant requirements.
5. Assign personnel.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 55-15 Transportation Reference Data
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P1200.7 Military Occupational Specialties Manual
7. MCO P4790.2 MIMMS Field Procedures Manual
8. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions Users Manual
9. MCWP 4-1 Logistics Operations
10. MCWP 4-11 Tactical Level Logistics
11. MCWP 4-11.3 Transportation Operations

12. MCWP 4-11.4 Maintenance Operations
13. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2107: Supervise a publication control system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, a requirement, personnel, support equipment and a publication library.

STANDARD: To maintain a unit's operational capability and readiness.

PERFORMANCE STEPS:

1. Inspect the library.
2. Order deficient publications.
3. Direct the maintenance of publications.
4. Determine validation requirements.
5. Determine reconciliation requirements.
6. Administer manager's responsibilities.
7. Administer changes.

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCO P5215.1 Marine Corps Directives Management Program
4. MCO P5215.17 USMC Technical Publications System
5. MCO P5600.31 Marine Corps Publications and Printing Regulations
6. NAVMC 2761 Catalog of Publications
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock
9. UM-MCPDS 5605 Marine Corps Publications Distribution System
10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The

related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2108: Submit a Product Quality Deficiency Report (PQDR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, records, personnel and equipment.

STANDARD: To ensure deficiencies are identified to supporting establishments.

PERFORMANCE STEPS:

1. Determine if a PQDR is warranted.
2. Draft a PQDR.

REFERENCES:

1. MCO 4855.10 Product Quality Deficiency Report (PQDR)
2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2109: Maintain a Consolidated Memorandum Receipts (CMR) account

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given an assignment as a Responsible Officer (RO), a Consolidated Memorandum Receipts (CMR), records, personnel, references and equipment.

STANDARD: To ensure accountability and accurate documentation of equipment and supplies.

PERFORMANCE STEPS:

1. Identify how frequently the CMR is published.

2. Complete the CMR review.
3. Perform RO responsibilities for discrepancies.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. UM 4400-123 FMF SASSY Management Unit Procedures
3. UM 4400-124 FMF SASSY Using Unit Procedures
4. UM 4400-125 FMF SASSY Accounting Manual (VOL IV) Maintenance Float Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2110: Direct Marine Corps Integrated Maintenance Management System (MIMMS) procedures for unique maintenance requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, personnel, equipment and references.

STANDARD: To ensure compliance within the maintenance section and enhance unit readiness.

PERFORMANCE STEPS:

1. Perform commodity manager/maintenance officer responsibilities.
2. Enforce selective interchange procedures for maintenance requirements.
3. Enforce cannibalization procedures for maintenance requirements.
4. Perform procedures for approval of an increase in echelon of maintenance (EOM).

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2111: Manage tool control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, tool sets, chests, and kits.

STANDARD: To ensure accurate accountability and serviceability.

PERFORMANCE STEPS:

1. Identify authorized tool sets, chests, and kits.
2. Conduct inventory procedures.
3. Inspect inventories records.
4. Validate tool sets, chests, and kits requisitions.
5. Determine control methods.
6. Enforce tool disposition procedures.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2112: Manage shop safety programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, facilities, equipment and personnel.

STANDARD: To prevent damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Implement safety program.
2. Enforce safety requirements when using compressed air.
3. Enforce regulations for using load bearing equipment.
4. Enforce regulations regarding a battery shop.
5. Enforce requirements for marking hazardous equipment.

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6. Enforce proper use of equipment.
7. Enforce requirement for hearing conservation.
8. Identify regulations for using safety equipment.
9. Determine marking requirements of hazardous workspaces.
10. Enforce regulations for welding operations.
11. Enforce regulations for the use of respirators.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. MCO 3500.27 Operational Risk Management
3. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
4. NAVMC 2692 Unit Safety Program Management Manual
5. TM 102010-10/1 Use and Care of Hand Tools & Measuring Tools

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2113: Reconcile supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, outstanding requisitions and applicable forms.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily reconciliation process.
2. Perform procedures for the biweekly reconciliation process.
3. Determine commodity sections responsibilities for reconciliation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The

related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2114: Manage a section calibration control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, equipment, personnel forms and records.

STANDARD: To ensure equipment provide accurate test, measurement and diagnostic capabilities.

PERFORMANCE STEPS:

1. Identify unit Test Measurement and Diagnostic Equipment (TMDE).
2. Direct annual TMDE requirements.
3. Submit TMDE for calibration.
4. Audit calibration control records.
5. Determine control procedures.
6. Determine the required types of calibration.
7. Verify associated labels.
8. Determine the disposition of calibration records.

REFERENCES:

1. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TI 4733-15/1 Calibration Requirements Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
5. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2115: Manage a section modification control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, equipment, personnel, forms and records.

STANDARD: To meet safety and operational requirements or capabilities.

PERFORMANCE STEPS:

1. Identify modification instructions (MI) applicable to motor transport equipment.
2. Complete modification control records.
3. Audit modification control records.
4. Verify required modifications.
5. Determine the disposition of modification records.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. MCO P4790.2 MIMMS Field Procedures Manual
3. SL 1-2 Index of Authorized Publication for Equipment Support
4. SL 1-3 Index of Authorized Publications in Stock
5. TI 5600 Publication Information Marine Corps Equipment
6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
7. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2116: Manage a section's hazardous material site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, equipment, personnel and hazardous materials.

STANDARD: Without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Identify hazardous material.
2. Direct the handling of hazardous materials.
3. Direct the disposal of hazardous materials.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor

2. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
3. CFR 49 Code of Federal Regulations - Transportation
4. DCAM 4145.11 Storage & Handling of Hazardous Material
5. FM 10-69 Petroleum Supply Point Equipment and Operations
6. MCO 10330.2 Storage/Handling of Compressed Gases
7. MCO 4450-12 Storage and Holding of Hazardous Material
8. MCO P5090.2 Environmental Compliance and Protection Manual
9. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
10. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
12. TM 10-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2117: Conduct Marine Corps Integrated Maintenance Management System (MIMMS) functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel, input transactions and output reports.

STANDARD: In accordance with maintenance management procedures to maintain unit readiness levels.

PERFORMANCE STEPS:

1. Identify the types of MIMMS input transactions.
2. Monitor the preparation of MIMMS input transactions.
3. Audit MIMMS input transactions.
4. Determine the use of MIMMS output reports.
5. Audit output reports.
6. Establish equipment flow procedures.

REFERENCES:

1. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
2. MCO 3000.11 Marine Corps Automated Readiness Evaluation System (MARES)
3. MCO 4400.16 Uniform Materiel Movement and Issue Priority System
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4790.1 MIMMS Introduction Manual

6. MCO P4790.2 MIMMS Field Procedures Manual
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
8. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-ADMN-2118: Validate supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, outstanding requisitions and applicable forms.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily validation process.
2. Perform procedures for the biweekly validation process.
3. Determine commodity sections responsibilities for validation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3537 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-MAIN-2201: Supervise the processing of equipment through maintenance phases.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, forms, records, personnel, equipment and a requirement.

STANDARD: To meet unit level readiness.

PERFORMANCE STEPS:

1. Direct maintenance requirements during the equipment acceptance phase.
2. Direct maintenance requirements during the equipment induction phase.
3. Direct maintenance requirements during the equipment active maintenance phase.
4. Direct maintenance requirements during the maintenance closeout phase.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO P4790.2 MIMMS Field Procedures Manual
 4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3529-MAIN-2202: Direct corrective maintenance requirements for motor transport equipment.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, forms, records, personnel and equipment.

STANDARD: To maintain unit readiness.

PERFORMANCE STEPS:

1. Identify who is responsible for corrective maintenance.
2. Manage established corrective maintenance procedures.
3. Request overflow maintenance when conditions warrant.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO P4790.2 MIMMS Field Procedures Manual
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3529-MAIN-2203: Select equipment for participation in maintenance related programs.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, forms, records, personnel and equipment.

STANDARD: To enhance unit equipment readiness.

PERFORMANCE STEPS:

1. Process equipment for Depot Level Maintenance Program (DLMP).
2. Process equipment for Recoverable Items Program (WIR).
3. Process equipment for the Joint Oil Analysis Program (JOAP).
4. Process equipment for Corrosion Prevention and Control (CPAC) Program.
5. Process equipment for the Administrative Storage/Deadline Program.
6. Process equipment for the Service Life Extension Program (SLEP).

REFERENCES:

1. MCO 4400.194 Class VII Stock Rotation Program
 2. MCO 4731.1 Oil Analysis Program for Ground Equipment
 3. MCO 4790.18 Corrosion Prevention and Control (CPAC) Program
 4. MCO P4400.150 Consumer Level Supply Policy Manual
 5. MCO P4400.82 MIMMS Controlled Item Management Manual
 6. MCO P4790.2 MIMMS Field Procedures Manual
 7. TI 4731-14/1 Marine Corps Participation in the Joint Oil Analysis Program
 8. TM 4795-12/1 Organizational Corrosion Prevention and Control Procedures
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3529-MAIN-2204: Supervise Preventive Maintenance Checks and Services (PMCS) on motor transport tactical vehicles.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, tools, forms, records, supplies, equipment and a requirement.

STANDARD: To maintain equipment to an operational readiness level.

PERFORMANCE STEPS:

1. Verify intervals.
2. Verify requirements for equipment under warranty.
3. Verify special requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3. MCO P4790.2 MIMMS Field Procedures Manual
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3529-MAIN-2205: Plan motor transport maintenance operations in adverse environments.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a mission requirement.

STANDARD: To complete the maintenance requirements necessary to accomplish the mission without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Determine considerations.
2. Determine required resources.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 55-30 Army Motor Transport Units and Operations
5. FMFM 7-28 Jungle Operations
6. FMFM 7-29 Mountain Operations
7. MCWP 3-35.6 Desert Operations
8. MCWP 4-11.4 Maintenance Operations

3529-MAIN-2206: Direct maintenance functions in convoy operations.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, proposed convoy composition and the convoy route.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Review the convoy composition.

2. Review the convoy route.
3. Manage Limited Technical Inspections (LTI) on equipment.
4. Determine tools requirements.
5. Determine maintenance support requirements.
6. Determine equipment requirements.
7. Determine repair parts requirements.
8. Direct the performance of required maintenance.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. MCRP 4-11.3F Convoy Operations Handbook
 5. MCWP 4-11.4 Maintenance Operations
 6. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3529-OPER-2301: Direct the preparation of maintenance support equipment for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable reference materials and a requirement to prepare motor transport equipment.

STANDARD: To accomplish embarkation without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Identify the services that must be performed prior to embarkation.
2. Verify equipment marking requirements have been met.
3. Direct the preparation of vehicles for embarkation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.10-R Defense Transportation Regulation Parts I, II & III
 4. FM 55-15 Transportation Reference Data
 5. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 6. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 7. TM 11275-15/3 Technical Characteristics of USMC Engineer Equipment
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3529-OPER-2302: Supervise convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, vehicles, personnel, required tools and equipment.

STANDARD: Arrive at a determined location with all required equipment and personnel.

PERFORMANCE STEPS:

1. Analyze the operation order.
2. Draft a movement order.
3. Organize the convoy in march order.
4. Identify classifications for routes.
5. Identify defense requirements of a tactical convoy.
6. Identify convoy communication requirements.
7. Conduct a convoy commander's brief.
8. Direct the movement of the convoy using navigational devices.
9. Conduct a debrief.
10. Prepare an After Action Report (AAR).

REFERENCES:

1. FM 21-26 Map Reading and Land Navigation
2. FM 5-170 Engineer Reconnaissance
3. FM 5-36 Route Reconnaissance and Classification
4. FM 55-15 Transportation Reference Data
5. FM 55-30 Army Motor Transport Units and Operations
6. FMFM 7-28 Jungle Operations
7. FMFM 7-29 Mountain Operations
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
11. MCWP 3-17.1 River-Crossing Operations
12. MCWP 3-35.6 Desert Operations
13. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
14. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
15. TB 11-5825-291-10-3 The PLGR made simple
16. TM 09880A-10-3 Satellite Signals Navigation Set, AN/PSN -11
17. TM 09880C-0R Operator's Guide, DAGR Operator's Pocket Guide
18. TM 11-5825-291-13 Satellite Signals Navigation Sets AN/PSN-11
19. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-OPER-2303: Conduct the call for supporting arms fire

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, communication equipment and Communications-Electronics Operation Instructions (CEOI).

STANDARD: To neutralize the threat.

PERFORMANCE STEPS:

1. Perform procedures to call for fire.
2. Perform procedures for adjusting fire.
3. Perform procedures for calling for close air support.
4. Perform procedures for calling for naval gun fire support.
5. Perform procedures for calling for artillery fire support.

REFERENCES:

1. FM 6-20-10 Tactics Techniques and Procedures for the Targeting Process
 2. FM 6-20-20 Fire Support at Battalion Task Force & below
 3. MCRP 3-40-3A Multi Service Communications Procedures and Tactical Radio Procedures in Joint Environment
 4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3529-OPER-2304: Conduct self-recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, a vehicle, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Conduct the eight step process
2. Identify safety requirements.
3. Conduct operations using anchors.
4. Conduct operations using mechanical advantage.
5. Conduct towing operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals

2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT event has a related 3537 FORMAL event that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT event supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-OPER-2305: Supervise decontamination of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, a contaminated vehicle, a portable decontamination apparatus and all required materials.

STANDARD: To be restored to a safe, operable condition.

PERFORMANCE STEPS:

1. Supervise decontamination of a vehicle with DS2 solution.
2. Supervise decontamination of a vehicle with soapy water.
3. Supervise decontamination of a vehicle with slurry.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 3-5 NBC Decontamination
 5. MCWP 3-37.3 NBC Decontamination
 6. TM 3-4230-228-10 Decontamination Apparatus, Power Driven, Lightweight M17
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3529-OPER-2306: Prepare Motor Transport appendix

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given the operation order.

STANDARD: To outline the requirement to support the mission.

PERFORMANCE STEPS:

1. Determine geographical area operation requirements.
2. Determine required logistics support.

REFERENCES:

1. FMFM 7-28 Jungle Operations
 2. FMFM 7-29 Mountain Operations
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 5. MCWP 3-35.6 Desert Operations
 6. MCWP 4-1 Logistics Operations
 7. MCWP 4-11 Tactical Level Logistics
 8. MCWP 4-11.3 Transportation Operations
 9. MCWP 4-11.4 Maintenance Operations
 10. MCWP 5-1 Marine Corps Planning Process
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3529-OPER-2307: Manage movement control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment for vehicle movements and automated informational system.

STANDARD: To safely meet operational requirements without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine movement control factors.
2. Establish movement control planning process.
3. Process routing requirements.
4. Process scheduling requirements.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 5-36 Route Reconnaissance and Classification
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCWP 4-11.3 Transportation Operations
5. MSTP PAM 4-0.1 Movement Control
6. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned

Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-OPER-2308: Conduct camouflaging of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, supplies, equipment, vehicles, personnel, and a requirement.

STANDARD: To obscure observation.

PERFORMANCE STEPS:

1. Perform counter detection techniques.
2. Determine factors of detection.
3. Determine camouflage principles.
4. Apply methods of concealment.
5. Determine vehicles revealing factors.
6. Determine vehicle camouflage measures.

REFERENCES:

1. FM 20-3 Camouflage, Concealment, and Decoys
 2. FM 55-30 Army Motor Transport Units and Operations
 3. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 4. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System
 5. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
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3529-OPER-2309: Manage vehicle loading operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, material, personnel, cargo and equipment.

STANDARD: To safely meet operational requirements without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Direct proper vehicle loading practices.
2. Direct the loading requirements for explosive materials.
3. Direct the loading requirements for hazardous materials.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.10-R Defense Transportation Regulation Parts I, II & III
 4. FM 55-30 Army Motor Transport Unit and Operations
 5. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 6. MCO P4030.36 Marine Corps Packaging Manual
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3529-OPER-2310: Employ a vehicle recovery section

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided references, a vehicle to be recovered and appropriate equipment.

STANDARD: To move a disabled vehicle to a designated location without injury to personnel or further damage to equipment.

PERFORMANCE STEPS:

1. Assess the operational situation.
2. Assign the mission.
3. Provide situational guidance.
4. Evaluate recovery efforts.
5. Report results, as required.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
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3529-OPER-2311: Conduct vehicle fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and a water obstacle.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct pre-fording operations checks.
2. Direct vehicle operations in water.
3. Direct post-fording checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 5-170 Engineer Reconnaissance
 5. MCWP 3-17.1 River-Crossing Operations
-

3529-OPER-2312: Direct limited vision driving operations for a movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, vehicles, personnel, and illumination devices.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine methods of illumination.
2. Determine appropriate visual communication signals.
3. Determine appropriate audio communication signals.
4. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 55-30 Army Motor Transport Units and Operations
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
 7. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
 8. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
 9. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3529-OPER-2313: Direct the use of motor transport operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, references, equipment and personnel.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Supervise the completion of operational records.
2. Audit operational records.
3. Manage the disposition of records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-OPER-2314: Establish a tactical motor pool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a site location, equipment and personnel.

STANDARD: To safely meet operational requirement with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Conduct site reconnaissance.
2. Establish security.
3. Determine road network requirements.
4. Determine terrain requirements.

5. Determine facility requirements.
6. Determine space requirement for facility.
7. Determine space requirement for equipment.
8. Determine emergency exits.
9. Determine requirements for a fire prevention plan.
10. Determine physical security requirements.
11. Develop a defense plan.
12. Determine environmental considerations.

REFERENCES:

1. FM 55-30 Army Motor Transport Units and Operations
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCWP 4-11.4 Maintenance Operations
4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-OPER-2315: Manage tactical movement using an automated information system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3529, 3531, 3537

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a computer system, tools, equipment and personnel.

STANDARD: To ensure proper utilization of personnel and equipment.

PERFORMANCE STEPS:

1. Build a convoy route.
2. Direct dispatching.
3. Create convoys.
4. Generate reports.
5. Manage convoys.
6. Task a unit to support transportation missions.
7. Perform preparation steps.
8. Identify asset availability by date.
9. Identify asset availability by time.
10. Manage transportation support assets.
11. Maintain a database.

REFERENCES:

1. MCWP 4-11.3 Transportation Operations
2. MDSS II HM MAGTF Deployment Support System, User's Help Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport MDSS II Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3529-TRNG-2401: Conduct training on Individual Training Standards (ITS)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: In a classroom environment, given the SAT manual, TECOM regulations and Marine Corps policies.

STANDARD: To maintain occupational proficiency and enhance individual readiness.

PERFORMANCE STEPS:

1. Identify manager's responsibilities.
2. Select personnel to conduct training.
3. Select topics to be taught to supervisory personnel.
4. Select topics to be taught to maintenance personnel.
5. Select topics to be taught to operational personnel.
6. Select topics to be taught to maintenance management personnel.
7. Direct the training of personnel.

REFERENCES:

1. MCO 1510.61 Individual Training Standards for Embarkation/Logistics Occupational Field 04
2. MCO 1510.68 Individual Training Standards (ITS) System for Motor Transport Occupational Field 35
3. MCO 1553.3 Marine Corps Unit Training Management
4. MCO P1200.7 Military Occupational Specialties Manual
5. MCO P4790.2 MIMMS Field Procedures Manual
6. MCRP 3-0A Unit Training Management Guide
7. MCRP 3-0B How to Conduct Training

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3529 MOJT EVENT has a related 3537 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course

for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

MOTOR T T&R MANUAL

CHAPTER 11

MOS 3531 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 11

MOS 3531 INDIVIDUAL EVENTS

11000. PURPOSE. This chapter includes all individual events for the Motor Vehicle Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

11001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3531).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Vehicle Operator individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

11002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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11003. 1000-LEVEL INDIVIDUAL TRAINING EVENTS

3531-OPER-1001: Complete operational forms and records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

INITIAL TRAINING SETTING:

CONDITION: Provided with various operational forms, applicable references, records, an M series vehicle and a mission.

STANDARD: To properly complete motor transport operational forms and records.

PERFORMANCE STEPS:

1. Complete the NAVMC 10627.
2. Complete the DD 518.
3. Complete the SF-91.
4. Complete the SF-94.

REFERENCES:

1. TM 4700-15-1/H, Marine Corps Equipment Forms and Records.
-

3531-OPER-1002: Perform Preventive Maintenance Checks and Services on M Series vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series vehicle, applicable references, required tools and equipment.

STANDARD: To maintain operational readiness and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Perform before operations PMCS.
2. Perform during operations PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.
7. Identify hazardous waste for disposal.
8. Perform PMCS on ring mount.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals

3. AIETM Applicable Interactive Electronic Technical Manual
 4. ALO/I Applicable Lubrication Order/Instruction
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCWP 4-11.4 Maintenance Operations
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3531-OPER-1003: Operate M Series vehicle on road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series vehicle and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. MCWP 4-11.3 Transportation Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3531-OPER-1004: Operate M Series vehicle in a administrative movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series vehicle and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for movement.
2. Prepare equipment for movement.
3. Attend commander's brief.
4. Use strip map.
5. Maintain correct vehicle speed.
6. Maintain correct vehicle interval.
7. Observe safety precautions.
8. Perform at-halt PMCS on equipment.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. FM 55-30 Army Motor Transport Units and Operations
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCWP 4-11.3 Transportation Operations
 5. TM 10-629-10A Operator's Manual for MTRV 7 Ton
 6. TM 2320-10/6 Operator Manual for HMMWV
 7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3531-OPER-1005: Operate M Series vehicle in limited vision conditions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series vehicle and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate vehicle at night with service lights.
2. Operate in blackout conditions using blackout lights.
3. Operate vehicle with night vision goggles.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. FM 55-30 Army Motor Transport Units and Operations
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 5. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
 6. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
 7. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
-

3531-OPER-1006: Operate M Series vehicle with towed load

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, an operational M Series vehicle and trailer.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Identify M series trailer characteristics.
2. Inspect load.
3. Connect the towed load to the vehicle.
4. Operate vehicle with towed load forward.
5. Operate vehicle with towed load in reverse.
6. Park the vehicle with towed load.
7. Disconnect the towed load from the vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 55-30 Army Motor Transport Units and Operations
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
-

3531-OPER-1007: Operate winch on M Series vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, an operational M Series vehicle, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform the eight step recovery.
2. Identify safety requirements.
3. Apply mechanical advantage using snatch blocks.
4. Recover the vehicle.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
 2. FM 55-30 Army Motor Transport Units and Operations
 3. MCRP 4-11.3F Convoy Operations Handbook
 4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
-

3531-OPER-1008: Perform emergency procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, an M Series vehicle and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform limp home procedures.
2. Perform procedures for emergency fan clutch override on the HMMWV series vehicle.
3. Perform procedures for emergency air cleaning service on the HMMWV series vehicle.
4. Change flat tire on M series vehicle.
5. Perform slave start procedures.
6. Identify brake caging procedures.
7. Identify manual drive lock procedure on MTRV series vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals

2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

3531-OPER-1009: Perform Preventive Maintenance Checks and Services on M Series trailers

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, an M Series trailer, required tools and equipment.

STANDARD: To maintain operational readiness and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 55-30 Army Motor Transport Units and Operations
3. MCO P4790.2 MIMMS Field Procedures Manual
4. MCWP 4-11.4 Maintenance Operations
5. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3531-OPER-1010: Ensure cargo is properly loaded

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, cargo to be loaded, M Series vehicle, trailer, and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine dimensions of load.
2. Determine weight of load.
3. Determine special handling requirements.
4. Determine correct placement and distribution of load on vehicle.
5. Direct loading of cargo.
6. Direct loading of personnel.
7. Secure load.
8. Secure personnel.
9. Inspect load after loading.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-15 Transportation Reference Data
6. FM 55-30 Army Motor Transport Units and Operations
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations

3531-OPER-1011: Perform ground guide procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with applicable references, an operational M series vehicle, assistant driver, equipment and materials.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Ground guide vehicle forward.
2. Ground guide vehicle in reverse.
3. Ground guide vehicle onto trailer.
4. Ground guide vehicle off trailer.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 55-30 Army Motor Transport Units and Operations
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations

10004. 2000-LEVEL INDIVIDUAL EVENTS

3531-ADMN-2101: Perform MIMMS related functions.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, personnel, input transactions and output reports.

STANDARD: In accordance with maintenance management procedures to maintain unit readiness levels.

PERFORMANCE STEPS:

1. Identify the types of MIMMS input transactions.
2. Prepare MIMMS input transactions.
3. Audit MIMMS input transactions.
4. Determine the use of MIMMS output reports.
5. Audit output reports.
6. Establish equipment flow procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
4. MCO 3000.11 Marine Corps Automated Readiness Evaluation System (MARES)
5. MCO 4400.16 Uniform Materiel Movement and Issue Priority System
6. MCO P4400.150 Consumer Level Supply Policy Manual
7. MCO P4790.2 MIMMS Field Procedures Manual
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
9. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2102: Determine maintenance resources

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, a table of organization and table of equipment (TO&E) and the references.

STANDARD: To meet mission requirements and sustain unit readiness.

PERFORMANCE STEPS:

1. Determine personnel requirements.
2. Determine tools and equipment requirements.
3. Determine maintenance capabilities.

REFERENCES:

1. MCO P1200.7 Military Occupational Specialties Manual
2. MCO P4400.150 Consumer Level Supply Policy Manual
3. MCO P4790.2 MIMMS Field Procedures Manual
4. MCO P5311.1 Total Force Structure Process
5. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2103: Process equipment through the maintenance phases

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a maintenance facility, requirement, personnel and equipment.

STANDARD: To maintain unit readiness without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine tasks to be performed during the acceptance phase.
2. Determine tasks to be performed during the induction phase.
3. Determine tasks to be performed during the maintenance phase.
4. Determine tasks to be performed during the closeout phase.

5. Determine preventive maintenance requirements.
6. Determine corrective maintenance requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCO P4790.2 MIMMS Field Procedures Manual
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2104: Manage the use of maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, a requirement, personnel and records.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Complete the records.
2. Audit the records.
3. Conduct the disposition.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
7. MCO 4855.10 Product Quality Deficiency Report (PQDR)
8. MCO P4790.2 MIMMS Field Procedures Manual
9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
10. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2105: Validate supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and outstanding supply requisitions.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily validation process.
2. Perform procedures for the biweekly validation process.
3. Determine commodity sections responsibilities for validation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2106: Manage a publication control system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, records, forms, personnel and support equipment.

STANDARD: To maintain a unit's operational capability and readiness.

PERFORMANCE STEPS:

1. Inspect the library.
2. Order deficient publications.
3. Conduct the maintenance of publications.
4. Perform validation requirements.
5. Perform reconciliation requirements.
6. Apply changes.

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCO P5215.1 Marine Corps Directives Management Program
4. MCO P5215.17 USMC Technical Publications System
5. MCO P5600.31 Marine Corps Publications and Printing Regulations
6. NAVMC 2761 Catalog of Publications
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock
9. UM-MCPDS 5605 Marine Corps Publications Distribution System
10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2107: Maintain a section modification control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, personnel and equipment.

STANDARD: To meet safety and operational requirements or capabilities.

PERFORMANCE STEPS:

1. Identify modification instructions (MI) applicable to motor transport

- equipment.
2. Complete modification control records.
 3. Audit modification control records.
 4. Verify required modifications.
 5. Determine the disposition of modification records.

REFERENCES :

1. AEMI Applicable Equipment Modification Instruction
2. MCO P4790.2 MIMMS Field Procedures Manual
3. SL 1-2 Index of Authorized Publication for Equipment Support
4. SL 1-3 Index of Authorized Publications in Stock
5. TI 5600 Publication Information Marine Corps Equipment
6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
7. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS :

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2108: Maintain a section calibration control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, equipment, personnel and references.

STANDARD: To ensure equipment provides accurate test, measurement and diagnostic capabilities.

PERFORMANCE STEPS:

1. Identify unit Test Measurement and Diagnostic Equipment (TMDE).
2. Audit calibration control records.
3. Submit TMDE for calibration.
4. Conduct annual TMDE requirements.
5. Determine the disposition of calibration records.

REFERENCES :

1. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TI 4733-15/1 Calibration Requirements Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program

4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
5. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2109: Maintain a section pre-expanded bins (PEB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, records, parts, personnel and storage bins.

STANDARD: To provide readily available high usage parts to enhance the overall readiness of the unit.

PERFORMANCE STEPS:

1. Obtain proper authorization for a PEB.
2. Identify criteria for items placed in the PEB.
3. Maintain the storage of items in the PEB.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2110: Process equipment lubricants through the Joint Oil Analysis Program (JOAP)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, personnel, equipment and materials.

STANDARD: To enhance unit readiness and reduce damage to equipment components.

PERFORMANCE STEPS:

1. Determine equipment affected by JOAP.
2. Obtain oil samples.
3. Process oil samples.
4. Maintain records used for JOAP.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCO 4731.1 Oil Analysis Program for Ground Equipment
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4790.2 MIMMS Field Procedures Manual
6. TI 4731-14/1 Marine Corps Participation in the Joint Oil Analysis Program
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
8. TM 9-2300-422-23&P Army Oil Analysis Sampling Values Army Oil Analysis

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2111: Reconcile supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given outstanding supply requisitions, and applicable publications.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily reconciliation process.

2. Perform procedures for the biweekly reconciliation process.
3. Determine commodity sections responsibilities for reconciliation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2112: Maintain motor transport desktop procedures/turnover folders

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a billet requirement and references.

STANDARD: To maintain standards.

PERFORMANCE STEPS:

1. Determine appropriate content.
2. Gather information.
3. Update content as necessary.

REFERENCES:

1. MCO P4790.2 MIMMS Field Procedures Manual
2. SECNAVINST 5216.5 Department of the Navy Correspondence Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2113: Maintain a sections hazardous material site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, equipment and hazardous materials.

STANDARD: Without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Identify hazardous material.
2. Conduct the handling of hazardous materials.
3. Conduct the disposal of hazardous materials.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
3. CFR 49 Code of Federal Regulations - Transportation
4. DCAM 4145.11 Storage & Handling of Hazardous Material
5. FM 10-69 Petroleum Supply Point Equipment and Operations
6. MCO 10330.2 Storage/Handling of Compressed Gases
7. MCO 4450-12 Storage and Holding of Hazardous Material
8. MCO P5090.2 Environmental Compliance and Protection Manual
9. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
10. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
12. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-ADMN-2114: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given level of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within the publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. FED LOG Federal Logistics Data on Compact Disk
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2201: Operate M Series vehicle off road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an M Series vehicle and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.

5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 55-30 Army Motor Transport Units and Operations
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3531-OPER-2202: Transport hazardous cargo

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable references, an M Series vehicle, trailer and required forms.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle.
2. Inspect vehicle.
3. Prepare appropriate forms.
4. Supervise the loading.
5. Inspect the load.
6. Transport the load.
7. Supervise the unloading.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. CFR 29 Code of Federal Regulations - Labor
5. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
6. CFR 49 Code of Federal Regulations - Transportation
7. FM 21-305 Manual for Wheeled Vehicle Driver
8. FM 4-30.13 Ammunition Handbook
9. FM 55-30 Army Motor Transport Units and Operations

10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 13. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 14. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 15. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
 16. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 17. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3531-OPER-2203: Operate fuel delivery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable references, an M Series vehicle, fuel systems, trailer and required forms.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare system for fuel loading.
2. Load fuel into the system.
3. Dispense fuel.
4. Perform recirculation.
5. Properly store fuel system.
6. Complete fueling operation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. MCRP 4-11.6 Petroleum and Water Logistics Operations
9. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
10. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials

11. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 12. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3531-OPER-2204: Operate water delivery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable references, an M Series vehicle, water system, and required equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Inspect the system prior to water loading.
2. Load the water in the system.
3. Arrange for testing of potable water.
4. Dispense water.
5. Complete the water operation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 55-30 Army Motor Transport Units and Operations
 5. MCRP 4-11.3F Convoy Operations Handbook
 6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 7. TM 08990A-15&P/1 Sixcon Water Tank Module
 8. TM 09003A-15/1 SixCon Fuel Pump Module
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3531-OPER-2205: Flat tow vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable references, an M Series vehicle, and a vehicle requiring towing, a tow bar, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare the vehicle for flat tow.
2. Connect the tow bar.
3. Connect safety chains.
4. Connect associated safety equipment.
5. Flat tow vehicle forward.
6. Flat tow vehicle in reverse.
7. Disconnect safety chains.
8. Disconnect associated safety equipment.
9. Remove tow bar.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
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3531-OPER-2206: Operate M Series dump vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an M Series dump vehicle and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare the vehicle for dumping operations.
2. Supervise the loading of the vehicle.
3. Secure the load.
4. Perform dump operations.
5. Install troop seat kit.
6. Uninstall troop seat kit.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook

7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3531-OPER-2207: Conduct convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, vehicles, personnel, required tools, cargo and equipment.

STANDARD: To arrive at a determined location with all required equipment and personnel.

PERFORMANCE STEPS:

1. Analyze the movement order.
2. Organize the convoy in march order.
3. Identify classifications for routes.
4. Identify defense requirements of a tactical convoy.
5. Identify convoy communication requirements.
6. Inspect cargo loads.
7. Conduct a convoy commander's brief.
8. Conduct a de-brief.
9. Prepare an After Action Report (AAR).

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 5-170 Engineer Reconnaissance
6. FM 5-36 Route Reconnaissance and Classification
7. FM 55-15 Transportation Reference Data
8. FM 55-30 Army Motor Transport Units and Operations
9. FMFM 7-28 Jungle Operations
10. FMFM 7-29 Mountain Operations
11. MCRP 3-40-3A Mult Service Communications Procedures and Tactical Radio Procedures in Joint Environment
12. MCRP 4-11.3F Convoy Operations Handbook
13. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
14. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
15. MCWP 3-17.1 River-Crossing Operations
16. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials

17. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
18. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2208: Operate M Series vehicle in a tactical convoy

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an M Series vehicle, applicable references and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for tactical convoy.
2. Harden vehicle as required.
3. Harden equipment as required.
4. Attend convoy commander's brief.
5. Operate vehicle during tactical convoy.
6. Use a strip map.
7. Perform immediate action drills.
8. Identify improvised explosive devices.
9. Conduct immediate actions to improvised explosive devices.
10. Participate in debrief.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-26 Map Reading and Land Navigation
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 5-36 Route Reconnaissance and Classification
6. FM 55-15 Transportation Reference Data
7. FM 55-30 Army Motor Transport Units and Operations
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations

10. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
11. TM 2320-10/6 Operator Manual for HMMWV

3531-OPER-2209: Engage targets

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a crew served weapon on a weapon mount, ammunition and targets.

STANDARD: To meet unit readiness and training requirements.

PERFORMANCE STEPS:

1. Inspect the weapon.
2. Prepare the weapon for firing.
3. Mount the weapon on the weapons mount.
4. Perform PMCS on the weapon mount.
5. Engage targets with weapons from the weapon mount.
6. Clean the weapon.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 23-65 Browning Machine gun, Caliber .50, HB M2
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations

3531-OPER-2210: Conduct the camouflaging of equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given spreaders, nets, poles and pegs.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform counter detection measures.
2. Apply vehicle camouflage measures.
3. Camouflage equipment using natural materials.
4. Camouflage equipment using the manufactured materials.

REFERENCES:

1. FM 20-3 Camouflage, Concealment, and Decoys
 2. FM 21-305 Manual for Wheeled Vehicle Driver
 3. FM 55-30 Army Motor Transport Units and Operations
 4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 5. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System
 6. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
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3531-OPER-2211: Prepare equipment for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, tools, personnel and a vehicle.

STANDARD: To safely ship equipment from one location to another.

PERFORMANCE STEPS:

1. Determine the services required to be performed on equipment prior to embarkation.
2. Verify equipment marking requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-15 Transportation Reference Data
 6. FM 55-30 Army Motor Transport Units and Operations
 7. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 8. MCO P4030.19H Preparing Hazardous Materials for Military Air Shipments
 9. MCO P4030.36 Marine Corps Packaging Manual
 10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 11. TM 11275-15/4 Tactical Engineer Equipment Licensing Manual
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3531-OPER-2212: Determine motor transport units and their mission

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references and a requirement.

STANDARD: To accurately identify mission responsibilities to meet support requirements.

PERFORMANCE STEPS:

1. Determine the mission of motor transport units/sections within a Marine Division.
2. Determine the mission of motor transport units/sections within the Marine Logistics Group (MLG).
3. Determine the mission of motor transport units/sections within the Marine Aircraft Wing (MAW).
4. Determine the mission of motor transport units/sections within the Command Element (CE) and the MEF Headquarters Group (MHG).

REFERENCES:

1. MARADMIN 335/05 Realignment and Renaming of the Force Service Support Group (FSSG)
2. MCWP 4-11.3 Transportation Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2213: Conduct the dispatching of equipment using automated informational systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel, equipment for vehicle movements and automated informational system.

STANDARD: To safely meet operational requirements.

PERFORMANCE STEPS:

1. Perform asset management.
2. Process movement planning.

3. Establish movement coordination.
4. Perform movement execution.

REFERENCES:

1. MDSS II HM MAGTF Deployment Support System, User's Help Manual
2. MSTP PAM 4-0.1 Movement Control

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2214: Manage the use of operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with references, equipment, personnel and the required forms.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Complete operational records.
2. Audit operational records.
3. Determine the disposition of operational records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2215: Direct limited vision driving operations for a movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, references, equipment, material, personnel and a limited vision situation.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine methods of illumination.
2. Determine appropriate visual signals.
3. Determine appropriate audio signals.
4. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 55-30 Army Motor Transport Units and Operations
5. MCRP 4-11.3F Convoy Operations Handbook
6. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
7. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
8. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
9. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
10. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2216: Direct Preventive Maintenance Checks and Services (PMCS) on equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, equipment, personnel, materials and references.

STANDARD: To maintain unit combat readiness levels.

PERFORMANCE STEPS:

1. Assign personnel to equipment.
2. Provide required materials.
3. Determine the different types of PMCS.
4. Supervise conduct of PMCS.
5. Forward results for corrective action.
6. Maintain tool control procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P4790.2 MIMMS Field Procedures Manual
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2217: Conduct vehicle self recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle to be recovered, applicable publications, and appropriate equipment.

STANDARD: To move a disabled vehicle to a designated location without injury to personnel or further damage to equipment.

PERFORMANCE STEPS:

1. Perform the eight step recovery method.
2. Identify safety requirements.
3. Direct recovery operations using mechanical advantage.

4. Direct recovery operations using anchors.
5. Direct towing operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. MCRP 4-11.3F Convoy Operations Handbook
5. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2218: Conduct battle damage assessment/repairs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, equipment, tools, personnel and references.

STANDARD: To safely meet operational requirement without further damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Perform emergency fan clutch override service.
2. Perform the caging of the spring air brake chambers.
3. Perform flat tow operations.
4. Perform limp home operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
5. MCWP 4-11.4 Maintenance Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2219: Supervise fording operations for M Series vehicles

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a fording mission, personnel, equipment, required tools and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct pre-operation checks and services.
2. Direct the fording operation.
3. Direct after-operation checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 5-170 Engineer Reconnaissance
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. MCWP 3-17.1 River-Crossing Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2220: Conduct land navigation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a requirement, land navigational devices, personnel, equipment and the references.

STANDARD: To meet mission requirements to a predetermined destination.

PERFORMANCE STEPS:

1. Prepare equipment for operation.
2. Enter waypoint data.
3. Navigate from one position to another.

REFERENCES:

1. FM 21-26 Map Reading and Land Navigation
2. TB 11-5825-291-10-3 The PLGR made simple
3. TM 09880A-10-3 Satellite Signals Navigation Set, AN/PSN -11
4. TM 09880C-0R Operator's Guide, DAGR Operator's Pocket Guide
5. TM 11-5825-291-13 Satellite Signals Navigation Sets AN/PSN-11

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 FORMAL EVENT supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with an (NMOS) of 3521 or 3531. The related 3521 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3531-OPER-2221: Ford M Series vehicle

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3531

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given personnel, equipment, applicable references and a water obstacle.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment per the references.

PERFORMANCE STEPS:

1. Perform pre-operation checks and services.
2. Perform the fording operation.
3. Perform after-operation checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. ALO/I Applicable Lubrication Order/Instruction
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 55-30 Army Motor Transport Units and Operations
5. MCWP 3-17.1 River-Crossing Operations

MOTOR T T&R MANUAL

CHAPTER 12

MOS 3533 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 12

MOS 3533 INDIVIDUAL EVENTS

12000. PURPOSE. This chapter includes all individual events for the Logistics Vehicle Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

12001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3533).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Logistics Vehicle Operator individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

12002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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12003. 1000-LEVEL INDIVIDUAL EVENTS

3533-OPER-1001: Operate Logistics Vehicle System MK48/MK18A1

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an MK48/MK18A1.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Employ LVS in ISO/ ANSI container operation.
2. Employ LVS in container operation.
3. Employ LVS in flat rack operation.
4. Configure MK48/18A1 for road operation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3533-OPER-1002: Operate LVS in tandem

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 16 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS coupled with tandem tow trailer.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment

PERFORMANCE STEPS:

1. Install rear body tow unit to tandem trailer.
2. Couple tandem trailer to LVS.

3. Operate LVS combination forward.
4. Operate LVS combination in reverse.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-1003: Perform coupling procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS MK48 and rear LVS module and required tools.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Uncouple trailer.
2. Operate MK48 forward.
3. Operate MK48 in reverse.
4. Couple trailer.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. MCRP 4-11.3F Convoy Operations Handbook
 5. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-1004: Operate MK16 with semitrailers

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational MK48/16 with semi trailer and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Couple semitrailer.
2. Operate vehicle on highway.
3. Operate vehicle in reverse.
4. Change the goose neck position.
5. Uncouple semitrailer.
6. Adjust fifth wheel assembly.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-15 Transportation Reference Data
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3533-OPER-1005: Perform emergency operating procedures for LVS

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS with emergency condition and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate with loss of air pressure.
2. Manually cage brake chambers.
3. Operate with loss of hydraulic system.
4. Perform emergency shutdown procedures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver

3533-OPER-1006: Operate LVS on road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an LVS.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3533-OPER-1007: Properly load an LVS

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with cargo to be loaded, LVS, references and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine dimensions of load.
2. Determine weight of load.
3. Determine center of balance of load.
4. Determine special handling requirements.
5. Inspect load prior to loading.
6. Properly load cargo.
7. Properly load personnel.
8. Secure load.
9. Inspect load after loading.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-15 Transportation Reference Data
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 10. TM 11275-15/3 Technical Characteristics of USMC Engineer Equipment
 11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3533-OPER-1008: Operate LVS in administrative movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for movement.
2. Prepare equipment for movement.
3. Attend commander's brief.

4. Use strip map.
5. Maintain correct vehicle speed.
6. Maintain correct vehicle interval.
7. Observe safety precautions.
8. Perform PMCS on equipment.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. MCWP 4-11.3 Transportation Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-1009: Change LVS wheel and tire assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an LVS, references and spare tire.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for change of wheel assembly.
2. Remove the spare tire from the tire carrier.
3. Remove the damaged tire.
4. Replace the damaged tire with the spare tire.
5. Mount the damaged tire on the tire carrier.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
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3533-OPER-1010: Perform Preventive Maintenance Checks and Services

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS, required equipment and references.

STANDARD: To maintain operability and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operations PMCS.
3. Perform after operations PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.
7. Identify hazardous waste for disposal.
8. Perform PMCS on ring mount.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P4790.2 MIMMS Field Procedures Manual
 7. MCRP 4-11B Environmental Considerations in Military Operations
 8. MCWP 4-11.4 Maintenance Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-1011: Perform ground guide procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational LVS, assistant driver, equipment, materials and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Ground guide vehicle forward.
2. Ground guide vehicle in reverse.
3. Ground guide vehicle onto trailer.
4. Ground guide vehicle off trailer.

RELATED EVENTS:

3531-OPER-1010

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
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12004. 2000-LEVEL INDIVIDUAL EVENTS

3533-ADMN-2001: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 3521, 3531

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given level of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. FED LOG Federal Logistics Data on Compact Disk
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3531 MOJT EVENT has a related 3521 FORMAL EVENT that supports the Motor Transport Noncommissioned Officer Course for career progression for all Motor Transport Noncommissioned Officers with a (NMOS) of 3521 or 3531. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3533-OPER-2001: Operate LVS crane system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an MK48/17 series crane system and applicable references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage.

PERFORMANCE STEPS:

1. Complete the load test equipment daily checklist.
2. Prepare vehicle for crane operation.
3. Uninstall canvas kit.
4. Unstow crane.
5. Attach rigging.
6. Conduct crane operations.
7. Operate crane with remote control.
8. Operate crane with manual controls.
9. Detach rigging.
10. Stow crane.
11. Install canvas kit.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 5. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2002: Transport hazardous cargo

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, required forms, references, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle.
2. Inspect vehicle.
3. Prepare appropriate forms.
4. Supervise loading.
5. Inspect the load.
6. Transport the load.
7. Supervise the unloading.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
 5. CFR 49 Code of Federal Regulations - Transportation
 6. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
 7. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 8. FM 10-69 Petroleum Supply Point Equipment and Operations
 9. FM 21-305 Manual for Wheeled Vehicle Driver
 10. FM 4-30.13 Ammunition Handbook
 11. FM 55-30 Army Motor Transport Units and Operations
 12. MCO P4030.19H Preparing Hazardous Materials for Military Air Shipments
 13. MCO P4030.36 Marine Corps Packaging Manual
 14. MCO P5090.2_ MCO P5090.2_ Environmental Compliance and Protection Manual
 15. MCRP 4-11.3F Convoy Operations Handbook
 16. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 17. MCRP 4-11B Environmental Considerations in Military Operations
 18. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 19. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 20. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 21. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 22. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 23. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2003: Flat tow LVS

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, another vehicle, required tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for flat tow.
2. Connect the tow bar.
3. Connect safety chains.
4. Connect associated safety equipment.
5. Flat tow vehicle forward.

6. Flat tow vehicle in reverse.
7. Disconnect safety chains.
8. Disconnect associated safety equipment.
9. Remove tow bar.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2004: Operate water delivery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, water system, references and required equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Inspect the system prior to water loading.
2. Load the water in the system.
3. Arrange for testing of potable water.
4. Dispense water.
5. Complete water operation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. MCRP 4-11.6 Petroleum and Water Logistics Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2005: Operate LVS off road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2006: Perform deep water fording

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, references and required tools.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform pre-operation checks and services.
2. Ford the water obstacle.
3. Perform after-operation checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. MCWP 3-17.1 River-Crossing Operations
 9. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2007: Operate fuel delivery system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, SIXCON fuel delivery system, references and required equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare system for fuel loading.
2. Load fuel in the system.
3. Dispense fuel.
4. Perform recirculation.
5. Properly store fuel system.
6. Complete fueling operation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. MCRP 4-11.3F Convoy Operations Handbook

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8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.6 Petroleum and Water Logistics Operations
 10. MCRP 4-11B Environmental Considerations in Military Operations
 11. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 12. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 13. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 14. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 15. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 16. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2008: Operate LVS in limited vision conditions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS, night vision goggles and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate vehicle at night with service lights.
2. Operate in black out conditions using black out lights.
3. Operate vehicle with night vision goggles.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCRP 4-11.3F Convoy Operations Handbook
 7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2009: Engage targets

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS with weapon mount, crew served weapon ammunition, targets and references.

STANDARD: To meet the unit readiness and training requirements.

PERFORMANCE STEPS:

1. Inspect the weapon.
2. Mount the weapon on the weapons mount.
3. Prepare the weapon for firing.
4. Perform PMCS on the weapon mount.
5. Engage targets with weapon from the weapons mount.
6. Clean the weapon.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 23-65 Browning Machine gun, Caliber .50, HB M2
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
-

3533-OPER-2010: Camouflage LVS with towed load

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided an LVS with towed load, camouflage net, required materials and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Camouflage vehicle using artificial materials.
2. Camouflage vehicles using natural materials.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual

3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 20-3 Camouflage, Concealment, and Decoys
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System
 8. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
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3533-OPER-2011: Operate LVS in tactical convoy

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational LVS and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for tactical convoy.
2. Harden vehicle as required.
3. Harden equipment as required.
4. Attend convoy commander's brief.
5. Operate vehicle during tactical convoy.
6. Use a strip map.
7. Perform immediate action drills.
8. Identify improvised explosive devices.
9. Conduct immediate actions to improvised explosive devices.
10. Participate in debrief.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-26 Map Reading and Land Navigation
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 23-65 Browning Machine gun, Caliber .50, HB M2
 7. FM 5-170 Engineer Reconnaissance
 8. FM 55-15 Transportation Reference Data
 9. FM 55-30 Army Motor Transport Units and Operations
 10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3533-OPER-2012: Direct preparation of LVS for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement to embark LVS and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct services to be performed on equipment prior to being embarked by air.
2. Direct services to be performed on equipment prior to being embarked by rail.
3. Direct services to be performed on equipment prior to being embarked by sea.
4. Direct services to be performed on equipment prior to being embarked by TOT.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-15 Transportation Reference Data
 6. FM 55-30 Army Motor Transport Units and Operations
 7. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 8. MCO P4030.19H Preparing Hazardous Materials for Military Air Shipments
 9. MCWP 4-11.3 Transportation Operations
 10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
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3533-OPER-2013: Direct a tactical convoy

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with requirement for tactical movement and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Analyze the movement order.
2. Inspect equipment and loads.
3. Organize the vehicles in the order of march.
4. Conduct a convoy commander's brief.
5. Interpret route and bridge classifications.
6. Provide input for the after action report.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-26 Map Reading and Land Navigation
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 23-65 Browning Machine gun, Caliber .50, HB M2
 7. FM 5-170 Engineer Reconnaissance
 8. FM 55-15 Transportation Reference Data
 9. FM 55-30 Army Motor Transport Units and Operations
 10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 13. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 14. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2014: Manage the use of operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: PVT, PFC, LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, equipment, personnel and the required forms.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Complete operational records.
2. Audit operational records.
3. Determine the disposition of operational records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
 3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3533-OPER-2015: Direct limited vision driving operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3533

GRADES: CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement to direct limited vision driving, with required equipment/materials and references.

STANDARD: To safely meet operational requirements with no injury to personnel and damage to equipment.

PERFORMANCE STEPS:

1. Determine method of illumination.
2. Determine appropriate visual or audio communications signals.
3. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.3F Convoy Operations Handbook
7. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MOTOR T T&R MANUAL

CHAPTER 13

MOS 3534 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 13

MOS 3534 INDIVIDUAL EVENTS

13000. PURPOSE. This chapter includes all individual events for the Semitrailer Refueler Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

13001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3534).

2. The second four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Semi trailer Refueler Operator individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

13002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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3534-OPER-2010	Conduct defueling operations	13-12
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13003. 2000-LEVEL INDIVIDUAL EVENTS

3534-OPER-2001: Operate M Series tractor with semi trailer refueler on road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series tractor, semi trailer refueler and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. LO 9 2320 272 12 M939
8. MCO P5090.2 Environmental Compliance and Protection Manual
9. MCRP 4-11.3F Convoy Operations Handbook
10. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
11. MCRP 4-11.6 Petroleum and Water Logistics Operations
12. MCRP 4-11B Environmental Considerations in Military Operations
13. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
14. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
15. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
16. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
17. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials

18. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 19. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 20. TM 4700-15-1/H Marine Corps Equipment Forms and Records
 21. TM 5-848-2 Handling of Aircraft and Automotive Fuels
 22. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
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3534-OPER-2002: Conduct refueling operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational semitrailer refueler and equipment to be refueled.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Identify various fuels.
2. Transport hazardous cargo.
3. Recirculate semi trailer refueler.
4. Obtain fuel sample for testing.
5. Refuel ground equipment.
6. Approach aircraft.
7. Ground vehicle.
8. Bond vehicle.
9. Refuel aircraft.
10. Fixed wing.
11. Rotary wing.
12. Troubleshoot semi trailer refueler.
13. Perform emergency shutdown procedures.
14. Maintain fuel logbook.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIE/ETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. MCO P5090.2 Environmental Compliance and Protection Manual
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MCRP 4-11B Environmental Considerations in Military Operations

11. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
 12. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
 13. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 14. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 15. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 16. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 17. TM 11240.15/4B Characteristics of Motor Transport Equipment
 18. TM 11275-15/3C Characteristics of Engineering Equipment
 19. TM 4700-15-1/H Marine Corps Equipment Forms and Records
 20. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
 21. TM 5-848-2 Handling of Aircraft and Automotive Fuels
 22. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
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3534-OPER-2003: Perform emergency procedures on M Series tractor with semi trailer refueler

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series tractor with semi trailer refueler and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate with loss of air pressure.
2. Manually cage brake chambers.
3. Perform emergency shutdown procedures on M Series Tractor with semi trailer refueler.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. LO 9 2320 272 12 M939
7. MCO P5090.2 Environmental Compliance and Protection Manual
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MCRP 4-11.4A Battle Damage Assessment and Repair
11. MCRP 4-11.6 Petroleum and Water Logistics Operations

12. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
 13. NAVAIR-00-80T-109 Aircraft Refueling NATOPS Manual
 14. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 15. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 16. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 17. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 18. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 19. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
 20. TM 5-848-2 Handling of Aircraft and Automotive Fuels
 21. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
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3534-OPER-2004: Operate M Series tractor with semi trailer refueler in administrative movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series tractor with semi trailer refueler and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for movement.
2. Prepare equipment for movement.
3. Attend commander's brief.
4. Use strip map.
5. Maintain correct vehicle speed.
6. Maintain correct vehicle interval.
7. Observe safety precautions.
8. Perform at-halt PMCS on equipment.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 5-36 Route Reconnaissance and Classification
7. FM 55-30 Army Motor Transport Units and Operations
8. MCO P4030.19H Preparing Hazardous Materials for Military Air Shipments

9. MCO P5090.2 Environmental Compliance and Protection Manual
 10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. MCWP 4-1 Logistics Operations
 13. MCWP 4-11.3 Transportation Operations
 14. MCWP 4-11.4 Maintenance Operations
 15. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
 16. NAVAIR-00-80T-109 Aircraft Refueling NATOPS Manual
 17. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
 18. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 19. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 20. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 21. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 22. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 23. TM 5-848-2 Handling of Aircraft and Automotive Fuels
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3534-OPER-2005: Perform tractor with semitrailer coupling procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an M Series Tractor with Semitrailer Refueler and references.

STANDARD: To safely meet operational requirements with no injury to personal or damage to equipment.

PERFORMANCE STEPS:

1. Couple the tractor to semi trailer refueler.
2. Uncouple the tractor from semi trailer refueler.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. LO 9 2320 272 12 M939
7. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
8. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
9. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD

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10. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
 11. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
 12. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
 13. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
 14. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 15. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
 16. TM 5-848-2 Handling of Aircraft and Automotive Fuels
 17. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
-

3534-OPER-2006: Perform Preventive Maintenance Checks and Services on M Series tractor

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series tractor, required tools, material and references.

STANDARD: To maintain operability and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Perform before operations PMCS.
2. Perform during operations PMCS.
3. Perform after operations PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P4790.2 MIMMS Field Procedures Manual
 7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 8. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN
-

3534-OPER-2007: Perform Preventive Maintenance Checks and Services on semi trailer refueler

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational semi trailer refueler, required tools, material and references.

STANDARD: To maintain operability and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Perform before operation PMCS.
2. Perform during operation PMCS.
3. Perform after operation PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P4790.2 MIMMS Field Procedures Manual
7. MCO P5090.2 Environmental Compliance and Protection Manual
8. MCRP 4-11B Environmental Considerations in Military Operations
9. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
10. NAVAIR-00-80T-109 Aircraft Refueling NATOPS Manual
11. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
12. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
13. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
14. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
15. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
16. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
17. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

3534-OPER-2008: Operate M Series tractor with semi trailer refueler off road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational M Series tractor and semitrailer refueler and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. LO 9 2320 272 12 M939
8. MCO P5090.2 Environmental Compliance and Protection Manual
9. MCRP 4-11.3F Convoy Operations Handbook
10. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
11. MCRP 4-11.4A Battle Damage Assessment and Repair
12. MCRP 4-11.6 Petroleum and Water Logistics Operations
13. MCRP 4-11B Environmental Considerations in Military Operations
14. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
15. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
16. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
17. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
18. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
19. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
20. TM 4700-15-1/H Marine Corps Equipment Forms and Records
21. TM 5-2330-356-14&P Semi-Trailer Tank, 5000

- 22. TM 5-848-2 Handling of Aircraft and Automotive Fuels
- 23. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle

3534-OPER-2009: Direct preparations of M Series tractor with semitrailer refueler for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with equipment to embark.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

- 1. Identify requirements for air movement.
- 2. Identify requirements for ship movement.
- 3. Identify requirements for rail movement.
- 4. Identify requirements for land movement.

REFERENCES:

- 1. AETM Applicable Equipment Technical Manuals
- 2. AIETM Applicable Interactive Electronic Technical Manual
- 3. ALO/I Applicable Lubrication Order/Instruction
- 4. FM 21-305 Manual for Wheeled Vehicle Driver
- 5. FM 55-15 Transportation Reference Data
- 6. FM 55-30 Army Motor Transport Units and Operations
- 7. MCO P4030.19H Preparing Hazardous Materials for Military Air Shipments
- 8. MCWP 4-11.3 Transportation Operations
- 9. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
- 10. TM 5-848-2 Handling of Aircraft and Automotive Fuels
- 11. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle

3534-OPER-2010: Conduct defueling operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational M Series tractor and semitrailer refueler and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform grounding operations.
2. Perform bonding operations.
3. Perform defueling operations.
4. Troubleshoot semi trailer refueler.
5. Maintain defuel logbook.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. MCO P5090.2 Environmental Compliance and Protection Manual
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MCRP 4-11.6 Petroleum and Water Logistics Operations
11. MCRP 4-11B Environmental Considerations in Military Operations
12. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
13. NAVAIR-00-80T-109 Aircraft Refueling NATOPS Manual
14. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
15. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
16. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
17. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
18. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
19. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
20. TM 11275-15/3 Technical Characteristics of USMC Engineer Equipment
21. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
22. TM 5-2330-356-14&P Semi-Trailer Tank, 5000
23. TM 5-848-2 Handling of Aircraft and Automotive Fuels
24. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle

3534-OPER-2011: Operate M Series tractor with semitrailer refueler in limited vision conditions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3534

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with an operational M Series tractor with semitrailer refueler, night vision goggles and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Operate vehicle at night with service lights.
2. Operate in blackout conditions using blackout lights.
3. Operate vehicle with night vision goggles.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. DOD 4140.25 Management of Bulk Petroleum Products, Storage and Distribution Facilities
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. MCO P5090.2 Environmental Compliance and Protection Manual
8. MCRP 4-11.3F Convoy Operations Handbook
9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
10. MIL-HDBK-844A Aircraft Refueling Handbook for Navy and Marine Corps aircraft
11. NAVAIR 00-80T-109 Aircraft Refueling NATOPS Manual
12. NAVSEA OP 5 VOL 1 Ammunition & Explosives Ashore Safety Regulation (ESQD Information)
13. NAVSEA OP 5 VOL 2 Ammunition & Explosives Ashore Safety Regulation
14. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
15. NAVSEA SWO20-AF-HBK-010 Motor Vehicle Driver and Shipping Inspector's Manual for Ammunition, Explosives, and Related Hazardous Materials
16. NAVSEA SWO20-AG-SAF-010 Navy Transportation Safety Handbook for Ammunition, Explosives and related Hazardous Materials
17. TM 09500A-10/1A Operator Manual AN/PVS-7B&7D
18. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
19. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
20. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
21. TM 5-848-2 Handling of Aircraft and Automotive Fuels
22. TM 9-2320-272-10 Operator Manual for M939 Series Vehicle
23. tm 9 2330 356 14 Operators Manual M970

MOTOR T T&R MANUAL

CHAPTER 14

MOS 3536 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 14

MOS 3536 INDIVIDUAL EVENTS

14000. PURPOSE. This chapter includes all individual events for the Vehicle Recovery Operator. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

14001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3536).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Vehicle Recovery Operator individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

14002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

EVENT	TITLE	PAGE
	2000-LEVEL INDIVIDUAL EVENTS	
3536-OPER-2001	Cut metal with oxygen acetylene torch	14-4
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3536-OPER-2016	Change Logistics Vehicle System (LVS) wheel/tire assembly	14-15
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3536-OPER-2021	Recover vehicle by lift tow using a heavy tactical wrecker	14-18

14003. 2000-LEVEL INDIVIDUAL EVENTS

3536-OPER-2001: Cut metal with oxygen acetylene torch

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided references and operational wrecker with BII.

STANDARD: To support recovery operations, while adhering to safety procedures so minimal risk is presented to any persons or to any flammable or ignitable materials in the vicinity of the recovery.

PERFORMANCE STEPS:

1. Prepare equipment.
2. Perform cutting operation.
3. Secure equipment.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ATI Applicable Technical Instruction
 5. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 6. TI 4733-15/1 Calibration Requirements Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Maintenance Program
-

3536-OPER-2002: Complete the equipment checklist

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a vehicle, references, requirement and a daily checklist.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform the load test equipment daily checklist.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 5. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2003: Operate medium tactical wrecker off road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a vehicle, references and training scenario.

STANDARD: To safely meet operational requirements without injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. MCWP 3-17.1 River-Crossing Operations
 11. MCWP 4-11.3 Transportation Operations
 12. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 13. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3536-OPER-2004: Operate auxiliary tools on medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a medium tactical wrecker, references and auxiliary tools.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Connect auxiliary tools to wrecker.
2. Operate auxiliary tools.
3. Disconnect auxiliary tools.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3536-OPER-2005: Recover vehicle by lift tow with medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires towing, a vehicle, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Inspect towed load.

2. Prepare vehicle for lift tow.
3. Perform lift tow.
4. Inspect towed load.
5. Operate vehicle forward.
6. Operate vehicle in reverse.
7. Disconnect towed vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4A Battle Damage Assessment and Repair
 10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 12. TM 9-4910-593-12P Tow Bar Motor Vehicle
-

3536-OPER-2006: Operate medium tactical wrecker on road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a medium tactical wrecker, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals

2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2007: Recover vehicle by flat tow using a medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a vehicle, tow bar, required tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare the vehicle for flat tow.
2. Connect the tow bar.
3. Connect safety chains.
4. Connect associated safety equipment.
5. Flat tow vehicle forward.
6. Flat tow vehicle in reverse.
7. Disconnect safety chains.
8. Disconnect associated safety equipment.
9. Remove tow bar.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
-

3536-OPER-2008: Recover vehicle with winches using a medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires recovery, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment

PERFORMANCE STEPS:

1. Perform 8 step process.
2. Prepare wrecker for winch operations.
3. Determine resistance of disabled vehicle.
4. Attach rigging.
5. Recover vehicle.
6. Detach rigging.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ATI Applicable Technical Instruction
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 8. MCRP 4-11.3F Convoy Operations Handbook
 9. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 10. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 11. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 12. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2009: Perform material handling crane operations using a medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires recovery, cargo to be transferred by the use of a crane before recovery, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Complete load test equipment daily checklist.
2. Prepare wrecker for crane operation.
3. Unstow crane.
4. Attach rigging.
5. Conduct crane operations.
6. Operate crane with remote control.
7. Operate crane with manual controls.
8. Detach rigging.
9. Stow crane.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2010: Perform Preventive Maintenance Checks Service on a medium tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a medium tactical wrecker, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform before operations Preventive Maintenance Checks and Service.
2. Perform during operations Preventive Maintenance Checks and Service.
3. Perform after operations Preventive Maintenance Checks and Service.
4. Perform weekly Preventive Maintenance Checks and Service.
5. Perform monthly Preventive Maintenance Checks and Service.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ATI Applicable Technical Instruction
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 8. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 9. MCO P4790.2 MIMMS Field Procedures Manual
 10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 13. MCWP 4-11.4 Maintenance Operations
 14. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2011: Recover vehicle with winches using a heavy tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires recovery through the use of winches, a heavy tactical wrecker, references, auxiliary tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Perform 8 step recovery process.
2. Prepare wrecker for winch operations.
3. Determine resistance of disabled vehicle.
4. Attach rigging.
5. Recover vehicle.
6. Detach rigging.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for

- Tactical Convoy Operations
9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2012: Operate heavy tactical wrecker on road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle, references and training scenario.

STANDARD: To safely meet operational requirements with no injury to personnel or damage equipment.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.3F Convoy Operations Handbook
 8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 10. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2013: Operate heavy tactical wrecker off road

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a vehicle, references and training scenario.

STANDARD: To safely meet operational requirements with injury to personnel or damage to equipment in accordance with references.

PERFORMANCE STEPS:

1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Stop the vehicle.
10. Shut down the engine.
11. Complete operational forms and records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
10. MCWP 3-17.1 River-Crossing Operations
11. MCWP 3-35.6 Desert Operations
12. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
13. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3536-OPER-2014: Perform coupling procedures

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided an operational heavy tactical wrecker and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Uncouple trailer.
2. Operate MK48 forward.
3. Operate MK48 in reverse.
4. Couple trailer.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 21-305 Manual for Wheeled Vehicle Driver
 5. FM 55-30 Army Motor Transport Units and Operations
 6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 7. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3536-OPER-2015: Recover vehicle by flat tow using a heavy tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a heavy tactical wrecker, vehicle to be recovered, tow bar, required tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare the vehicle for flat tow.
2. Connect the tow bar.
3. Connect safety chains.
4. Connect associated safety equipment.
5. Flat tow vehicle forward.
6. Flat tow vehicle in reverse.
7. Disconnect safety chains.
8. Disconnect associated safety equipment.
9. Remove tow bar.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations

6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3536-OPER-2016: Change Logistics Vehicle System (LVS) wheel/tire assembly

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a vehicle, tools, personnel and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Prepare vehicle for change of wheel assembly.
2. Remove spare tire from the tire carrier.
3. Remove the damaged tire.
4. Replace the damaged tire with the spare tire.
5. Mount the damaged tire on the tire carrier.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

3536-OPER-2017: Perform material handling crane operations using a heavy tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires recovery, cargo to be transferred by the use of a crane before recovery, a heavy tactical wrecker, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Complete load test equipment daily checklist.
2. Prepare wrecker for crane operation.
3. Unstow crane.
4. Attach rigging.
5. Conduct crane operations.
6. Operate crane with remote control.
7. Operate crane with manual controls.
8. Detach rigging.
9. Stow crane.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
7. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3536-OPER-2018: Perform Preventive Maintenance Checks and Service on heavy tactical wrecker, auxiliary hydraulic tools/equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an operational heavy tactical wrecker, auxiliary hydraulic tools, equipment and references.

STANDARD: To maintain operability and identify corrective maintenance.

PERFORMANCE STEPS:

1. Perform before operations PMCS.
2. Perform during operations PMCS.
3. Perform after operations PMCS.
4. Perform weekly PMCS.
5. Perform monthly PMCS.
6. Maintain basic issue items.

7. Identify hazardous waste for disposal.
8. Perform PMCS on ring mount.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. ATI Applicable Technical Instruction
 5. FM 21-305 Manual for Wheeled Vehicle Driver
 6. FM 55-30 Army Motor Transport Units and Operations
 7. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
 8. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
 9. MCO P4790.2 MIMMS Field Procedures Manual
 10. MCRP 4-11.3F Convoy Operations Handbook
 11. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
 12. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
 13. MCWP 4-11.4 Maintenance Operations
 14. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
 15. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN
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3536-OPER-2019: Operate auxiliary tools on heavy tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given tools, references and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Connect auxiliary hydraulic tools to wrecker.
2. Operate auxiliary hydraulic tools.
3. Disconnect auxiliary hydraulic tools.
4. Slave Logistics Vehicle System hydraulic system.

REFERENCES :

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment

7. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3536-OPER-2020: Maintain Preventive Maintenance Checks and Service basic issue items

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given a tactical wrecker, auxiliary tools, equipment and references.

STANDARD: To maintain operability and identify corrective maintenance actions.

PERFORMANCE STEPS:

1. Inventory basic issue items on vehicle.
2. Perform PMCS on wrecker basic issue items.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. ATI Applicable Technical Instruction
5. FM 21-305 Manual for Wheeled Vehicle Driver
6. FM 55-30 Army Motor Transport Units and Operations
7. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
8. MCO P4790.2 MIMMS Field Procedures Manual
9. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
10. MCWP 4-11.4 Maintenance Operations
11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3536-OPER-2021: Recover vehicle by lift tow using a heavy tactical wrecker

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3536

GRADES: LCPL, CPL, SGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a vehicle that requires towing, a heavy tactical wrecker, auxiliary tools, equipment and references.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Inspect towed load.
2. Prepare vehicle for lift tow.
3. Perform lift tow.
4. Inspect towed load.
5. Operate vehicle forward.
6. Operate vehicle in reverse.
7. Disconnect towed vehicle.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 55-30 Army Motor Transport Units and Operations
6. MCO P11262.2 Inspection, Testing, and Certification of Tactical Ground Load Lifting Equipment
7. MCRP 4-11.3F Convoy Operations Handbook
8. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
9. MCRP 4-11.4A Battle Damage Assessment and Repair
10. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
11. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
12. TM 9-4910-593-12P Tow Bar Motor Vehicle

MOTOR T T&R MANUAL

CHAPTER 15

MOS 3537 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 15

MOS 3537 INDIVIDUAL EVENTS

15000. PURPOSE. This chapter includes all individual events for the Motor Transport Operations Chief. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

15001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3537).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

15002. INDEX OF INDIVIDUAL EVENTS BY LEVEL

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15004. 2000-LEVEL INDIVIDUAL EVENTS

3537-ADMN-2101: Validate supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given outstanding supply requisitions and applicable references.

STANDARD: To ensure supply requirements are obtained.

PERFORMANCE STEPS:

1. Perform procedures for the daily validation process.
2. Perform procedures for the biweekly validation process.
3. Determine commodity sections responsibilities for validation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2102: Manage a section Pre-Expended Bins (PEB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, parts and a requirement.

STANDARD: To provide readily available high usage parts to enhance the overall readiness of the unit.

PERFORMANCE STEPS:

1. Obtain proper authorization for a PEB.
2. Identify criteria for items placed in the PEB.
3. Determine accountability requirements.
4. Maintain the storage of items in the PEB.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2103: Manage tool control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, tool sets, chests, and kit.

STANDARD: To ensure accurate accountability and serviceability.

PERFORMANCE STEPS:

1. Identify authorized tool sets, chests, and kit.
2. Enforce inventory procedures.
3. Inspect inventories records.
4. Validate tool sets, chests, and kit requisitions.
5. Determine control methods.
6. Enforce tool disposition procedures.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2104: Direct the use of motor transport maintenance records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with a requirement, personnel, records and the references.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Enforce the procedures for completing records.
2. Audit the records.
3. Manage the disposition of records.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. ATI Applicable Technical Instruction
5. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
6. MCO 4855.10 Product Quality Deficiency Report (PQDR)
7. MCO P4790.2 MIMMS Field Procedures Manual
8. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
9. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2105: Submit a Product Quality Deficiency Report (PQDR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a identified deficiency.

STANDARD: To ensure problems are identified to supporting establishments.

PERFORMANCE STEPS:

1. Determine if a PQDR is warranted.
2. Draft a PQDR.

REFERENCES:

1. MCO 4855.10 Product Quality Deficiency Report (PQDR)
2. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2106: Manage shop safety programs

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and facilities.

STANDARD: To prevent damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Implement safety program.
2. Enforce safety requirements when using compressed air.
3. Enforce regulations for using load bearing equipment.
4. Enforce regulations regarding a battery shop.
5. Enforce requirements for marking hazardous equipment.
6. Enforce proper use of equipment.
7. Enforce requirement for hearing conservation.
8. Identify regulations for using safety equipment.
9. Determine marking requirements of hazardous workspaces.
10. Enforce regulations for welding operations.
11. Enforce regulations for respirator use.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. MCO 3500.27 Operational Risk Management
3. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
4. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
5. NAVMC 2692 Unit Safety Program Management Manual
6. TM 10209-10/1 Use and Care of Hand Tools & Measuring Tools

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2107: Reconcile supply requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and outstanding requisitions.

STANDARD: To obtain required parts and supplies.

PERFORMANCE STEPS:

1. Perform procedures for the daily reconciliation process.
2. Perform procedures for the biweekly reconciliation process.
3. Determine commodity sections responsibilities for reconciliation.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
4. UM 4400-123 FMF SASSY Management Unit Procedures
5. UM 4400-124 FMF SASSY Using Unit Procedures
6. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2108: Manage a section calibration control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, equipment, forms, records and personnel.

STANDARD: To ensure equipment provide accurate test, measurement and diagnostic capabilities.

PERFORMANCE STEPS:

1. Identify unit Test Measurement and Diagnostic Equipment (TMDE).
2. Direct annual TMDE requirements.
3. Submit TMDE for calibration.
4. Audit calibration control records.
5. Determine control procedures.
6. Determine the required types of calibration.
7. Verify associated labels.
8. Determine the disposition of calibration records.

REFERENCES:

1. MCO 4733.1 Marine Corps Test, Measurement, and Diagnostic Equipment (TMDE) Calibration and Maintenance Program (CAMP)
2. MCO P4790.2 MIMMS Field Procedures Manual
3. TI-4733-15/1 Calibration Requirements
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
5. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2109: Research maintenance information

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement and equipment.

STANDARD: To accomplish maintenance requirements and maintain unit readiness.

PERFORMANCE STEPS:

1. Select publications authorized within a given level of maintenance.
2. Locate maintenance tasks within the publications.
3. Locate information required for the requisitioning of repair parts within publications.
4. Locate lubrication information for equipment.
5. Research information on repair parts.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. AETM Applicable Equipment Technical Manuals
3. AIETM Applicable Interactive Electronic Technical Manual
4. ALO/I Applicable Lubrication Order/Instruction
5. ATI Applicable Technical Instruction
6. FED LOG Federal Logistics Data on Compact Disk
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2110: Manage a sections hazardous material site

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, equipment, personnel and hazardous materials.

STANDARD: Without risk to personnel, equipment or environment.

PERFORMANCE STEPS:

1. Identify hazardous material.
2. Direct the handling of hazardous materials.
3. Direct the disposal of hazardous materials.

REFERENCES:

1. CFR 29 Code of Federal Regulations - Labor
2. CFR 40 Code of Federal Regulations - Hazardous Substances & Wastes
3. CFR 49 Code of Federal Regulations - Transportation
4. DCAM 4145.11 Storage & Handling of Hazardous Material
5. FM 10-69 Petroleum Supply Point Equipment and Operations
6. MCO 10330.2 Storage/Handling of Compressed Gases
7. MCO 4450-12 Storage and Holding of Hazardous Material
8. MCO P5090.2 Environmental Compliance and Protection Manual
9. MCO P5100.8 Marine Corps Occupational Safety and Health Program Manual
10. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
11. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
12. TM 9-6140-200-14 Lead Acid Batteries 4HN, 2H, 6TN

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2111: Maintain a Consolidated Memorandum Receipts (CMR) account

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, an assignment as a Responsible Officer (RO), a Consolidated Memorandum Receipts (CMR), records, personnel, and equipment.

STANDARD: To ensure accountability and accurate documentation of equipment and supplies.

PERFORMANCE STEPS:

1. Identify how frequently the CMR is published.
2. Complete the CMR review.
3. Perform RO responsibilities for discrepancies.

REFERENCES:

1. MCO P4400.150 Consumer Level Supply Policy Manual
2. UM 4400-123 FMF SASSY Management Unit Procedures
3. UM 4400-124 FMF SASSY Using Unit Procedures
4. UM 4400-125 FMF SASSY Accounting Manual (VOL IV) Maintenance Float Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2112: Establish a motor transport resources requirements plan

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a mission.

STANDARD: To meet the Commanding Officer's timeline requirements by identifying all support requirements.

PERFORMANCE STEPS:

1. Determine equipment requirements.
2. Determine personnel requirements.
3. Determine repair parts requirements.
4. Determine petroleum, oil and lubricant requirements.
5. Assign personnel.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 55-15 Transportation Reference Data
5. FM 55-30 Army Motor Transport Unit and Operations
6. MCO P1200.7 Military Occupational Specialties Manual
7. MCO P4790.2 MIMMS Field Procedures Manual
8. MCO P5311.1 Total Force Structure Process
9. MCTFSPRIUM Marine Corps Total Force System Personnel Reporting Instructions Users Manual
10. MCWP 4-1 Logistics Operations
11. MCWP 4-11 Tactical Level Logistics
12. MCWP 4-11.3 Transportation Operations
13. MCWP 4-11.4 Maintenance Operations
14. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2113: Prepare motor transport related correspondence

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement to write a document.

STANDARD: To ensure compliance with Naval Correspondence procedures.

PERFORMANCE STEPS:

1. Gather information.
2. Prepare Naval correspondence.
3. Submit Naval correspondence.

REFERENCES:

1. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
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3537-ADMN-2114: Manage a section modification control program

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, references, personnel, equipment, forms and records.

STANDARD: To meet safety and operational requirements or capabilities.

PERFORMANCE STEPS:

1. Identify modification instructions (MI) applicable to motor transport equipment.
2. Complete modification control records.
3. Audit modification control records.
4. Verify required modifications.
5. Determine the disposition of modification records.

REFERENCES:

1. AEMI Applicable Equipment Modification Instruction
2. MCO P4790.2 MIMMS Field Procedures Manual
3. SL 1-2 Index of Authorized Publication for Equipment Support
4. SL 1-3 Index of Authorized Publications in Stock
5. TI 5600 Publication Information Marine Corps Equipment
6. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
7. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2115: Supervise a publication control system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, personnel, support equipment and a publication library.

STANDARD: To maintain a unit's operational capability and readiness.

PERFORMANCE STEPS:

1. Inspect the library.
2. Order deficient publications.
3. Direct the maintenance of publications.
4. Determine validation requirements.
5. Determine reconciliation requirements.
6. Administer manager's responsibilities.
7. Administer changes.

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCO P5215.1 Marine Corps Directives Management Program
4. MCO P5215.17 USMC Technical Publications System
5. MCO P5600.31 Marine Corps Publications and Printing Regulations
6. NAVMC 2761 Catalog of Publications
7. SL 1-2 Index of Authorized Publication for Equipment Support
8. SL 1-3 Index of Authorized Publications in Stock
9. UM-MCPDS 5605 Marine Corps Publications Distribution System
10. UM-PLMS Marine Corps Publications Library Management System (PLMS) Users Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2116: Conduct Marine Corps Integrated Maintenance Management System (MIMMS) functions

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, a requirement, personnel, input transactions and output reports.

STANDARD: In accordance with maintenance management procedures to maintain unit readiness levels.

PERFORMANCE STEPS:

1. Identify the types of MIMMS input transactions.
2. Monitor the preparation of MIMMS input transactions.
3. Audit MIMMS input transactions.
4. Determine the use of MIMMS output reports.
5. Audit output reports.
6. Establish equipment flow procedures.

REFERENCES:

1. MCBul 3000 Marine Corps Automated Readiness Evaluation System (MARES) Equipment
2. MCO 3000.11 Marine Corps Automated Readiness Evaluation System (MARES)
3. MCO 4400.16 Uniform Materiel Movement and Issue Priority System
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4790.1 MIMMS Introduction Manual
6. MCO P4790.2 MIMMS Field Procedures Manual
7. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
8. UM-4790-5 MIMMS-AIS Field Maintenance Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2117: Conduct a motor transport vehicle accident investigation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, records, reports, forms and a convening authority.

STANDARD: To record relevant information about an incident or event of primary interest to command authorities.

PERFORMANCE STEPS:

1. Gather information pertaining to the accident.
2. Write a preliminary statement.
3. Write the findings of fact.

4. Write opinions from conclusions derived from the facts.
5. Write recommendations.
6. Arrange contents of the report in proper sequence.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. JAGINST 5800.7 Manual of the Judge Advocate General (JAGMAN)
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
6. UM 4400-124 FMF SASSY Using Unit Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-ADMN-2118: Direct Marine Corps Integrated Maintenance Management System (MIMMS) procedures for unique maintenance requirements

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given a requirement, personnel, equipment and references.

STANDARD: To ensure compliance within the maintenance section and enhance unit readiness.

PERFORMANCE STEPS:

1. Perform commodity manager/maintenance officer responsibilities.
2. Enforce selective interchange procedures for maintenance requirements.
3. Enforce cannibalization procedures for maintenance requirements.
4. Perform procedures for approval of an increase in echelon of maintenance (EOM).

REFERENCES:

1. MCO P4790.1 MIMMS Introduction Manual
2. MCO P4790.2 MIMMS Field Procedures Manual

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies

sustainment intervals.

3537-MAIN-2201: Plan motor transport maintenance operations in adverse environments.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references and a mission requirement.

STANDARD: To complete the maintenance requirements necessary to accomplish the mission without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Determine considerations.
2. Determine required resources.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. ALO/I Applicable Lubrication Order/Instruction
 4. FM 55-30 Army Motor Transport Unit and Operations
 5. FMFM 7-28 Jungle Operations
 6. FMFM 7-29 Mountain Operations
 7. MCWP 3-35.6 Desert Operations
 8. MCWP 4-11.4 Maintenance Operations
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3537-MAIN-2202: Select equipment for participation in maintenance related programs.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, forms, records, personnel and equipment.

STANDARD: To enhance unit equipment readiness.

PERFORMANCE STEPS:

1. Process equipment for Depot Level Maintenance Program (DLMP).
2. Process equipment for Recoverable Items Program (WIR).
3. Process equipment for the Joint Oil Analysis Program (JOAP).

4. Process equipment for Corrosion Prevention and Control (CPAC) Program.
5. Process equipment for the Administrative Storage/Deadline Program.
6. Process equipment for the Service Life Extension Program (SLEP).

REFERENCES:

1. MCO 4400.194 Class VII Stock Rotation Program
2. MCO 4731.1 Oil Analysis Program for Ground Equipment
3. MCO 4790.18 Corrosion Prevention and Control (CPAC) Program
4. MCO P4400.150 Consumer Level Supply Policy Manual
5. MCO P4400.82 MIMMS Controlled Item Management Manual
6. MCO P4790.2 MIMMS Field Procedures Manual
7. TI 4731-14/1 Marine Corps Participation in the Joint Oil Analysis Program
8. TM 4795 Organizational Corrosion Prevention and Control

3537-MAIN-2203: Supervise the processing of equipment through maintenance phases.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, forms, records, personnel, equipment, and a requirement.

STANDARD: To meet unit level readiness.

PERFORMANCE STEPS:

1. Direct maintenance requirements during the equipment acceptance phase.
2. Direct maintenance requirements during the equipment induction phase.
3. Direct maintenance requirements during the equipment active maintenance phase.
4. Direct maintenance requirements during the maintenance closeout phase.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. MCO P4790.2 MIMMS Field Procedures Manual
4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

3537-MAIN-2204: Supervise Preventive Maintenance Checks and Services (PMCS) on motor transport tactical vehicles.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, tools, supplies, equipment, forms, records and a requirement.

STANDARD: To maintain equipment to an operational readiness level.

PERFORMANCE STEPS:

1. Verify intervals.
2. Verify requirements for equipment under warranty.
3. Verify special requirements.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. MCO P4790.2 MIMMS Field Procedures Manual
 4. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures
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3537-OPER-2301: Direct the use of motor transport operational records

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, forms, personnel and appropriate resources.

STANDARD: To ensure accuracy and compliance.

PERFORMANCE STEPS:

1. Supervise the completion of operational records.
2. Audit operational records.
3. Manage the disposition of records.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. TM 11240-15/3 Motor Vehicle Licensing Official's Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3529 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2302: Supervise convoy operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, vehicles, personnel, required tools and equipment.

STANDARD: To arrive at a determined location safely without any accidents.

PERFORMANCE STEPS:

1. Analyze the operation order.
2. Draft a movement order.
3. Organize the convoy in march order.
4. Identify classifications for routes.
5. Identify defense requirements of a tactical convoy.
6. Identify convoy communication requirements.
7. Conduct a convoy commander's brief.
8. Direct the movement of the convoy using navigational devices.
9. Conduct a debrief.
10. Prepare an After Action Report (AAR).

REFERENCES:

1. FM 21-26 Map Reading and Land Navigation
2. FM 21-305 Manual for Wheeled Vehicle Driver
3. FM 5-170 Engineer Reconnaissance
4. FM 5-36 Route Reconnaissance and Classification
5. FM 55-15 Transportation Reference Data
6. FM 55-30 Army Motor Transport Unit and Operations
7. FMFM 7-28 Jungle Operations
8. FMFM 7-29 Mountain Operations
9. MCRP 4-11.3F Convoy Operations Handbook
10. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
11. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
12. MCWP 3-17.1 River-Crossing Operations
13. MCWP 3-35.6 Desert Operations
14. NAVSEA SWO20-AC-SAF-010 Transportation and Storage Data for Ammunition, Explosives and Related Hazardous Materials
15. NAVSEA SWO20-AF-ABK-010 Motor Vehicle Driver Handbook for Ammunition, Explosives and Hazardous Materials
16. TB 11-5825-291-10-3 The PLGR made simple
17. TM 09880A-10-3 Satellite Signals Navigation Set, AN/PSN -11
18. TM 09880C-0R Operator's Guide, DAGR Operator's Pocket Guide
19. TM 11-5825-291-13 Satellite Signals Navigation Sets AN/PSN-11
20. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor

Transport Staff Noncommissioned Officer Course for career progression. The related 3529 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2303: Prepare maintenance support equipment for embarkation

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with applicable reference materials and a requirement to prepare motor transport equipment.

STANDARD: To accomplish embarkation without damage to equipment or injury to personnel..

PERFORMANCE STEPS:

1. Identify the services that must be performed prior to embarkation.
2. Verify equipment marking requirements have been met.
3. Direct the preparation of vehicles for embarkation.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 4. FM 55-15 Transportation Reference Data
 5. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 6. TM 11240-15/4 Motor Transport Equipment Characteristics Manual
 7. TM 11275-15/3 Technical Characteristics of USMC Engineer Equipment
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3537-OPER-2304: Manage tactical movement using an automated information system

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3521, 3529, 3531, 3537

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, tools, equipment and personnel.

STANDARD: To ensure proper utilization of personnel and equipment.

PERFORMANCE STEPS:

1. Build a convoy route.
2. Direct dispatching.
3. Create convoys.
4. Generate reports.
5. Manage convoys.
6. Task a unit to support transportation missions.
7. Perform preparation steps.
8. Identify asset availability by date.
9. Identify asset availability by time.
10. Manage transportation support assets.
11. Maintain a database.

REFERENCES:

1. MCWP 4-11.3 Transportation Operations
2. MDSS II HM MAGTF Deployment Support System, User's Help Manual
3. TM 4700-15/1 Marine Corps Ground Equipment Record Procedures

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor Transport MDSS II Course for career progression. The related 3521, 3529 and 3531 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2305: Manage movement control

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, personnel and equipment for vehicle movements, automated informational system.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Determine movement control factors.
2. Establish movement control planning process.
3. Process routing requirements.
4. Process scheduling requirements.

REFERENCES:

1. FM 21-305 Manual for Wheeled Vehicle Driver
2. FM 5-36 Route Reconnaissance and Classification
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCWP 4-11.3 Transportation Operations
5. MSTP PAM 4-0.1 Movement Control

6. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3529 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2306: Conduct the call for supporting arms fire.

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, communication equipment and Communications-Electronics Operation Instructions (CEOI).

STANDARD: To neutralize the threat.

PERFORMANCE STEPS:

1. Perform procedures to call for fire.
2. Perform procedures for adjusting fire.
3. Perform procedures for calling for close air support.
4. Perform procedures for calling for naval gun fire support.
5. Perform procedures for calling for artillery fire support.

REFERENCES:

1. FM 6-20-10 Tactics Techniques and Procedures for the Targeting Process
 2. FM 6-20-20 Fire Support at Battalion Task Force & below
 3. MCRP 3-40-3A Multi Service Communications Procedures and Tactical Radio Procedures in Joint Environment
 4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
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3537-OPER-2307: Direct limited vision driving operations for a movement

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, vehicles, personnel, and illumination devices.

STANDARD: To safely meet operational requirements with no injury to personnel

or damage to equipment.

PERFORMANCE STEPS:

1. Determine methods of illumination.
2. Determine appropriate visual communication signals.
3. Determine appropriate audio communication signals.
4. Determine appropriate convoy control measures.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver
4. FM 55-30 Army Motor Transport Unit and Operations
5. MCRP 4-11.3F Convoy Operations Handbook
6. TM 09500A-10/1 Operator's Manual Night Vision Goggles AN/PVS-7B and AN/PVS-7D
7. TM 10271A-10/1A Operator's Manual Monocular Night Vision Devices (MNVD) AN/PVS-14
8. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
9. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

3537-OPER-2308: Prepare Motor Transport appendix to an operations order

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given an operation order.

STANDARD: To outline the requirement to support the mission.

PERFORMANCE STEPS:

1. Determine geographical area operation requirements.
2. Determine required logistics support.

REFERENCES:

1. FMFM 7-28 Jungle Operations
2. FMFM 7-29 Mountain Operations
3. MCRP 4-11.3F Convoy Operations Handbook
4. MCRP 4-11.3H Multi-service Tactics, Techniques, and Procedures for Tactical Convoy Operations
5. MCWP 3-35.6 Desert Operations
6. MCWP 4-1 Logistics Operations
7. MCWP 4-11 Tactical Level Logistics
8. MCWP 4-11.3 Transportation Operations
9. MCWP 4-11.4 Maintenance Operations
10. MCWP 5-1 Marine Corps Planning Process

3537-OPER-2309: Manage vehicle loading operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, material, personnel, cargo and equipment.

STANDARD: To safely meet operational requirements without damage to equipment or injury to personnel.

PERFORMANCE STEPS:

1. Direct proper vehicle loading practices.
2. Direct the loading requirements for explosive materials.
3. Direct the loading requirements for hazardous materials.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. DOD 4500.9-R Defense Transportation Regulation Parts I, II & III
 4. FM 55-30 Army Motor Transport Unit and Operations
 5. JOINT PUB 3-02.2 Joint Doctrine for Amphibious Embarkation
 6. MCO P4030.36 Marine Corps Packaging Manual
-

3537-OPER-2310: Conduct self-recovery operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a vehicle, references, required tools and equipment.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Conduct the eight step process
2. Identify safety requirements.
3. Conduct operations using anchors.
4. Conduct operations using mechanical advantage.
5. Conduct towing operations.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. FM 21-305 Manual for Wheeled Vehicle Driver

4 Feb 08

4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3529 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2311: Conduct camouflaging of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given supplies, equipment, vehicles, personnel, and a requirement.

STANDARD: To obscure observation.

PERFORMANCE STEPS:

1. Perform counter detection techniques.
2. Determine factors of detection.
3. Determine camouflage principles.
4. Apply methods of concealment.
5. Determine vehicles revealing factors.
6. Determine vehicle camouflage measures.

REFERENCES:

1. FM 20-3 Camouflage, Concealment, and Decoys
 2. FM 55-30 Army Motor Transport Unit and Operations
 3. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations
 4. TM 5-1080-200-10 Lightweight Camouflage Screen System and Support System
 5. TM 5-1080-200-13&P Operators' Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems
-

3537-OPER-2312: Employ a vehicle recovery section

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided references, a vehicle to be recovered and appropriate

equipment.

STANDARD: To move a disabled vehicle to a designated location without injury to personnel or further damage to equipment.

PERFORMANCE STEPS:

1. Assess the operational situation.
2. Assign the mission.
3. Provide situational guidance.
4. Evaluate recovery efforts.
5. Report results, as required.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. MCRP 4-11.4 Recovery and Battlefield Damage Assessment and Repair
-

3537-OPER-2313: Supervise vehicle fording operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given references, personnel, equipment and a water obstacle.

STANDARD: To safely meet operational requirements with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Direct pre-fording operations checks.
2. Direct vehicle operations in water.
3. Direct post-fording checks and services.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 5-170 Engineer Reconnaissance
 5. MCWP 3-17.1 River-Crossing Operations
-

3537-OPER-2314: Establish a tactical motor pool

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given references, a requirement, equipment and personnel.

STANDARD: To safely meet operational requirement with no injury to personnel or damage to equipment.

PERFORMANCE STEPS:

1. Conduct site reconnaissance.
2. Establish security.
3. Determine road network requirements.
4. Determine terrain requirements.
5. Determine facility requirements.
6. Determine space requirement for facility.
7. Determine space requirement for equipment.
8. Determine emergency exit.
9. Determine requirements for a fire prevention plan.
10. Determine physical security requirements.
11. Develop a defense plan.
12. Determine environmental considerations.

REFERENCES:

1. FM 55-30 Army Motor Transport Unit and Operations
2. MCO P4790.2 MIMMS Field Procedures Manual
3. MCWP 4-11.4 Maintenance Operations
4. TM 11240-14/2 Logistic Consideration for Motor Transport Convoy Operations

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 FORMAL EVENT supports the Motor Transport Staff Noncommissioned Officer Course for career progression. The related 3529 MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

3537-OPER-2315: Supervise decontamination of motor transport equipment

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Provided with references, a contaminated vehicle, a portable decontamination apparatus and all required materials.

STANDARD: To be restored to a safe, operable condition.

PERFORMANCE STEPS:

1. Supervise decontamination of a vehicle with DS2 solution.
2. Supervise decontamination of a vehicle with soapy water

3. Supervise decontamination of a vehicle with slurry.

REFERENCES:

1. AETM Applicable Equipment Technical Manuals
 2. AIETM Applicable Interactive Electronic Technical Manual
 3. FM 21-305 Manual for Wheeled Vehicle Driver
 4. FM 3-5 NBC Decontamination
 5. MCWP 3-37.3 NBC Decontamination
 6. TM 3-4230-228-10 Decontamination Apparatus, Power Driven, Lightweight M17
-

3537-TRNG-2401: Conduct training on Individual Training Standards (EVENT)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3529, 3537

GRADES: SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: Given policies, personnel and a requirement.

STANDARD: To maintain occupational proficiency and enhance individual readiness.

PERFORMANCE STEPS:

1. Identify manager's responsibilities.
2. Select personnel to conduct training.
3. Select topics to be taught to supervisory personnel.
4. Select topics to be taught to maintenance personnel.
5. Select topics to be taught to operational personnel.
6. Select topics to be taught to maintenance management personnel.
7. Direct the training of personnel.

REFERENCES:

1. MCO 1510.61 Individual Training Standards for Embarkation/Logistics Occupational Field 04
2. MCO 1510.68 Individual Training Standards (EVENT) System for Motor Transport Occupational Field 35
3. MCO 1553.3 Marine Corps Unit Training Management
4. MCO P1200.7 Military Occupational Specialties Manual
5. MCO P4790.2 MIMMS Field Procedures Manual
6. MCRP 3-0A Unit Training Management Guide
7. MCRP 3-0B How To Conduct Training

MISCELLANEOUS:

ADMINISTRATIVE INSTRUCTIONS: This 3537 MOJT EVENT has a related 3529 FORMAL EVENT that supports the Motor Transport Staff Noncommissioned Officer Course for career progression. This MOJT EVENT supports those Marines that have not attended the career progression course and identifies sustainment intervals.

MOTOR T T&R MANUAL

CHAPTER 16

MOS 3538 INDIVIDUAL EVENTS

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MOTOR T T&R MANUAL

CHAPTER 16

MOS 3538 INDIVIDUAL EVENTS

16000. PURPOSE. This chapter includes all individual events for the Licensing Examiner. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

16001. EVENT CODING

1. Individual T&R events are coded for ease of reference. Each event has a 4-4-4-character identifier. The first four characters represent the MOS (3538).

2. The second up to four characters represent the functional or duty area. For example:

ADMN - Administration
LIC - Licensing
MAIN - Maintenance
OPER - Operator
TRNG - Training

See Appendix A for a complete list of functional areas.

3. The first of the last four characters represent the level (1000 or 2000) and the last three characters the sequence (1001, 2101) of the event. The Motor Transport Maintenance Officer individual training events are separated into two levels:

1000 - Core Skills
2000 - Core Plus Skills

16003. INDEX OF INDIVIDUAL EVENTS BY LEVEL

EVENT	TITLE	PAGE
	2000-LEVEL INDIVIDUAL EVENTS	
3538-LIC -2001	Process applicants for licenses	16-4
3538-LIC -2002	Supervise drivers testing	16-4
3538-LIC -2003	Issue U.S. Government Motor Vehicle Operator's Identification card (OF-346)	16-5
3538-LIC -2004	Submit official correspondence	16-5

16004. 2000-LEVEL INDIVIDUAL EVENTS

3538-LIC-2001: Process applicants for licenses

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3538

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement and references.

STANDARD: To reflect all driver training and issued licenses.

PERFORMANCE STEPS:

1. Complete licensing forms.
2. Record applicant's information in licensing log.
3. Maintain applicant's information in drivers history file.
4. Conduct physical screening.
5. Ensure the completion of physical examination.
6. File all completed forms.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 2. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
-

3538-LIC-2002: Supervise drivers testing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3538

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with a requirement, personnel and references.

STANDARD: To ensure all testing is administered.

PERFORMANCE STEPS:

1. Select appropriate tests.
2. Review results of tests.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 2. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
-

3538-LIC-2003: Issue U.S. Government Motor Vehicle Operator's Identification card (OF-346)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3538

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with results of driver testing, application, and references.

STANDARD: To accurately complete all licensing records.

PERFORMANCE STEPS:

1. Prepare OF 346.
2. Complete part three of NAVMC 10964.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
 2. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual
-

3538-LIC-2004: Submit official correspondence

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

MOS PERFORMING: 3538

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided with an applicant's adverse Motor Vehicle Record (MVR) check and references.

STANDARD: To recommend suspension or revocation of an individual's license.

PERFORMANCE STEPS:

1. Prepare letter for review.
2. Record results in driver's history file.

REFERENCES:

1. MCO 11240.66 Standard Licensing Procedures to Operate Military Motor Vehicle
2. SECNAVINST 5216.5 Department of the Navy Correspondence Manual
3. TM 11240-15/3_ Motor Vehicle Licensing Official's Manual

MOTOR T T&R MANUAL

ANNEX A

FUNCTIONAL AREA MATRIX

1000. MOTOR TRANSPORT FUNCTIONAL AREA MATRIX. The MOTOR TRANSPORT Functional Area Table includes the functional area and long title.

FUNCTIONAL AREA CODE	LONG TITLE
ADMN	Administrative
LIC	Licensing
MAIN	Maintenance
OPER	Operator
TRNG	Training

MOTOR T T&R MANUAL

APPENDIX B

GLOSSARY

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Pub 1-02, *DOD Dictionary of Military and Associated Terms*.

After Action Review. A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

Assessment. An informal judgment of the unit's proficiency and resources made by a commander or trainer to gain insight into the unit's overall condition. It serves as the basis for the midrange plan. Commanders make frequent use of these determinations during the course of the combat readiness cycle in order to adjust, prioritize or modify training events and plans.

Chaining. A process that enables unit leaders to effectively identify subordinate collective events and individual events that support a specific collective event. For example, collective training events at the 4000-level are directly supported by collective events at the 3000-level. Utilizing the building block approach to progressive training, these collective events are further supported by individual training events at the 1000 and 2000-levels. When a higher-level event by its nature requires the completion of lower level events, they are "chained"; Sustainment credit is given for all lower level events chained to a higher event.

Collective Event. A clearly defined, discrete, and measurable activity, action, or event (i.e., task) that requires organized team or unit performance and leads to accomplishment of a mission or function. A collective task is derived from unit missions or higher-level collective tasks. Task accomplishment requires performance of procedures composed of supporting collective or individual tasks. A collective task describes the exact performance a group must perform in the field under actual operational conditions. The term "collective" does not necessarily infer that a unit accomplishes the event. A unit, such as a squad or platoon conducting an attack; may accomplish a collective event or, it may be accomplished by an individual to accomplish a unit mission, such as a battalion supply officer completing a reconciliation of the battalion's CMR. Thus, many collective events will have titles that are the same as individual events; however, the standard and condition will be different because the scope of the collective event is broader.

Collective Training Standards (CTS). Criteria that specify mission and functional area unit proficiency standards for combat, combat support, and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. CTS are found within collective training events in T&R Manuals.

Combat Readiness Cycle. The combat readiness cycle depicts the relationships within the building block approach to training. The combat readiness cycle progresses from T&R Manual individual core skills training, to the accomplishment of collective training events, and finally, to a unit's participation in a contingency or actual combat. The combat readiness cycle demonstrates the relationship of core capabilities to unit combat readiness. Individual core skills training and the training of collective events lead to unit proficiency and the ability to accomplish the unit's stated mission.

Combat Readiness Percentage (CRP). The CRP is a quantitative numerical value used in calculating collective training readiness based on the E-coded events that support the unit METL. CRP is a concise measure of unit training accomplishments. This numerical value is only a snapshot of training readiness at a specific time. As training is conducted, unit CRP will continuously change.

Component Events. Component events are the major tasks involved in accomplishing a collective event. Listing these tasks guide Marines toward the accomplishment of the event and help evaluators determine if the task has been done to standard. These events may be lower-level collective or individual events that must be accomplished.

Condition. The condition describes the training situation or environment under which the training event or task will take place. Expands on the information in the title by identifying when, where and why the event or task will occur and what materials, personnel, equipment, environmental provisions, and safety constraints must be present to perform the event or task in a real-world environment. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.).

Core Competency. Core competency is the comprehensive measure of a unit's ability to accomplish its assigned MET. It serves as the foundation of the T&R Program. Core competencies are those unit core capabilities and individual core skills that support the commander's METL and T/O mission statement. Individual competency is exhibited through demonstration of proficiency in specified core tasks and core plus tasks. Unit proficiency is measured through collective tasks.

Core Capabilities. Core capabilities are the essential functions a unit must be capable of performing during extended contingency/combat operations. Core unit capabilities are based upon mission essential tasks derived from operational plans; doctrine and established tactics; techniques and procedures.

Core Plus Capabilities. Core plus capabilities are advanced capabilities that are environment, mission, or theater specific. Core plus capabilities may entail high-risk, high-cost training for missions that are less likely to be assigned in combat.

Core Plus Skills. Core plus skills are those advanced skills that are environment, mission, rank, or billet specific. 2000-level training is designed to make Marines proficient in core skills in a specific billet or at a specified rank at the Combat Ready level. 3000-8000-level training produces combat leaders and fully qualified section members at the Combat Qualified level. Marines trained at the Combat Qualified level are those the commanding officer feels are capable of accomplishing unit-level missions and of directing the actions of subordinates. Many core plus tasks are learned via MOJT, while others form the base for curriculum in career level MOS courses taught by the formal school.

Core Skills. Core skills are those essential basic skills that "make" a Marine and qualify that Marine for an MOS. They are the 1000-level skills introduced in entry-level training at formal schools and refined in operational units.

Defense Readiness Reporting System (DRRS). A comprehensive readiness reporting system that evaluates readiness on the basis of the actual missions and capabilities assigned to the forces. It is a capabilities-based, adaptive, near real-time reporting system for the entire Department of Defense.

Deferred Event. A T&R event that a commanding officer may postpone when in his or her judgment, a lack of logistic support, ammo, ranges, or other training assets requires a temporary exemption. CRP cannot be accrued for deferred "E-Coded" events.

Delinquent Event. An event becomes delinquent when a Marine or unit exceeds the sustainment interval for that particular event. The individual or unit must update the delinquent event by first performing all prerequisite events. When the unit commander deems that performing all prerequisite is unattainable, then the delinquent event will be re-demonstrated under the supervision of the appropriate evaluation authority.

E-Coded Event. An "E-Coded" event is a collective T&R event that is a noted indicator of capability or, a noted Collective skill that contributes to the unit's ability to perform the supported MET. As such, only "E-Coded" events are assigned a CRP value and used to calculate a unit's CRP.

Entry-level training. Pipeline training that equips students for service with the Marine Operating Forces.

Evaluation. Evaluation is a continuous process that occurs at all echelons, during every phase of training and can be both formal and informal. Evaluations ensure that Marines and units are capable of conducting their combat mission. Evaluation results are used to reallocate resources, reprioritize the training plan, and plan for future training.

Event (Training). 1) An event is a significant training occurrence that is identified, expanded and used as a building block and potential milestone for a unit's training. An event may include formal evaluations. 2) An event within the T&R Program can be an individual training evolution, a collective training evolution or both. Through T&R events, the unit commander ensures that individual Marines and the unit progress from a combat capable status to a Fully Combat Qualified (FCQ) status.

Event Component. The major procedures (i.e., actions) that must occur to perform a Collective Event to standard.

Exercise Commander (EC). The Commanding General, Marine Expeditionary Force or his appointee will fill this role, unless authority is delegated to the respective commander of the Division, Wing, or FSSG. Responsibilities and functions of the EC include: 1) designate unit(s) to be evaluated, 2) may designate an exercise director, 3) prescribe exercise objectives and T&R events to be evaluated, 4) coordinate with commands or agencies external to the Marine Corps and adjacent Marine Corps commands, when required.

Exercise Director (ED). Designated by the EC to prepare, conduct, and report all evaluation results. Responsibilities and functions of the ED include: 1) Publish a letter of instruction (LOI) that: delineates the T&R events to be evaluated, establishes timeframe of the exercise, lists responsibilities of various elements participating in the exercise, establishes safety requirements/guidelines, and lists coordinating instructions. 2) Designate the TEC and TECG to operate as the central control agency for the exercise. 3) Assign evaluators, to include the senior evaluator, and ensure that those evaluators are properly trained. 4) Develop the general exercise scenario taking into account any objectives/events prescribed by the EC. 5) Arrange for all resources to include: training areas, airspace, aggressor forces, and other required support.

Individual Readiness. The individual training readiness of each Marine is measured by the number of individual events required and completed for the rank or billet currently held.

Individual Training. Training that applies to individual Marines. Examples include rifle qualifications and HMMWV driver licensing.

Individual Training Standards (ITS). Specifies training tasks and standards for each MOS or specialty within the Marine Corps. In most cases, once an MOS or community develops a T&R, the ITS order will be cancelled. However, most communities will probably fold a large portion of their ITS into their new T&R manual.

Marine Corps Combat Readiness and Evaluation System (MCCRES). An evaluation system designed to provide commanders with a comprehensive set of mission performance standards from which training programs can be developed; and through which the efficiency and effectiveness of training can be evaluated. The Ground T&R Program will eventually replace MCCRES.

Marine Corps Ground Training and Readiness (T&R) Program. The T&R Program is the Marine Corps' primary tool for planning and conducting training, for planning and conducting training evaluation, and for assessing training readiness. The program will provide the commander with standardized programs of instruction for units within the ground combat, combat support, and combat service support communities. It consolidates the ITS, CTS, METL and other individual and unit training management tools. T&R is a program of standards that systematizes commonly accepted skills, is open to innovative change, and above all, tailors the training effort to the unit's mission. Further, T&R serves as a training guide and provides commanders an immediate assessment of unit combat readiness by assigning a CRP to key training events. In short,

the T&R Program is a building block approach to training that maximizes flexibility and produces the best-trained Marines possible.

Mission Essential Task(s) MET(s). A MET is a collective task in which an organization must be proficient in order to accomplish an appropriate portion of its wartime mission(s). MET listings are the foundation for the T&R manual; all events in the T&R manual support a MET.

Mission Essential Task List (METL). Descriptive training document that provides units a clear, war fighting focused description of collective actions necessary to achieve wartime mission proficiency. The service-level METL, that which is used as the foundation of the T&R manual, is developed using Marine Corps doctrine, operational plans, T/Os, UJTL, UNTL, and MCTL. For community based T&R manuals, an occupational field METL is developed to focus the community's collective training standards. Commanders develop their unit METL from the service-level METL, operational plans, contingency plans, and SOPs.

Mission Performance Standards (MPS). Criteria that specify mission and functional area unit proficiency standards for combat, combat support and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. MPS are contained within the MCCRES volumes. The MCCRES volumes are being replaced by T&R Manuals. Collective events will replace MPS.

Operational Readiness (DOD, NATO). OR is the capability of a unit/formation, ship, weapon system, or equipment to perform the missions or functions for which it is organized or designed. May be used in a general sense or to express a level or degree of readiness.

Performance Step. Performance steps are included in the components of an Individual T&R Event. They are the major procedures (i.e., actions) a unit Marine must accomplish to perform an individual event to standard. They describe the procedure the task performer must take to perform the task under operational conditions and provide sufficient information for a task performer to perform the procedure (may necessitate identification of supporting steps, procedures, or actions in outline form). Performance steps follow a logical progression and should be followed sequentially, unless otherwise stated. Normally, performance steps are listed only for 1000-level individual events (those that are taught in the entry-level MOS school). Listing performance steps is optional if the steps are already specified in a published reference.

Prerequisite Event. Prerequisites are the academic training and/or T&R events that must be completed prior to attempting the event.

Readiness (DOD). Readiness is the ability of U.S. military forces to fight and meet the demands of the national military strategy. Readiness is the synthesis of two distinct but interrelated levels: a) Unit readiness--The ability to provide capabilities required by combatant commanders to execute assigned missions. This is derived from the ability of each unit to deliver the outputs for which it was designed. b) Joint readiness--The combatant commander's ability to integrate and synchronize ready combat and support forces to execute assigned missions.

Section Skill Tasks. Section skills are those competencies directly related to unit functioning. They are group rather than individual in nature, and require participation by a section (S-1, S-2, S-3, etc).

Simulation Training. Simulators provide the additional capability to develop and hone core and core plus skills. Accordingly, the development of simulator training events for appropriate T&R syllabi can help maintain valuable combat resources while reducing training time and cost. Therefore, in cases where simulator fidelity and capabilities are such that simulator training closely matches that of actual training events, T&R Manual developers may include the option of using simulators to accomplish the training. CRP credit will be earned for E-coded simulator events based on assessment of relative training event performance.

Standard. A standard is a statement that establishes criteria for how well a task or learning objective must be performed. The standard specifies how well, completely, or accurately a process must be performed or product produced. For higher-level collective events, it describes why the event is being done and the desired end-state of the event. Standards become more specific for lower-level events and outline the accuracy, time limits, sequencing, quality, product, process, restrictions, etc., that indicate the minimum acceptable level of performance required of the event. At a minimum, both collective and individual training standards consist of a task, the condition under which the task is to be performed, and the evaluation criteria that will be used to verify that the task has been performed to a satisfactory level.

Sustainment Training. Periodic retraining or demonstration of an event required maintaining the minimum acceptable level of proficiency or capability required to accomplish a training objective. Sustainment training goes beyond the entry-level and is designed to maintain or further develop proficiency in a given set of skills.

Systems Approach to Training (SAT). An orderly process for analyzing, designing, developing, implementing, and evaluating a unit's training program to ensure the unit, and the Marines of that unit acquire the knowledge and skills essential for the successful conduct of the unit's wartime missions.

Training Task. This describes a direct training activity that pertains to an individual Marine. A task is composed of 3 major components: a description of what is to be done, a condition, and a standard.

Technical Exercise Controller (TEC). The TEC is appointed by the ED, and usually comes from his staff or a subordinate command. The TEC is the senior evaluator within the TECG and should be of equal or higher grade than the commander(s) of the unit(s) being evaluated. The TEC is responsible for ensuring that the evaluation is conducted following the instructions contained in this order and MCO 1553.3A. Specific T&R manuals are used as the source for evaluation criteria.

Tactical Exercise Control Group (TECG). A TECG is formed to provide subject matter experts in the functional areas being evaluated. The benefit of establishing a permanent TECG is to have resident, dedicated evaluation authority experience, and knowledgeable in evaluation technique. The responsibilities and functions of the TECG include: 1) developing a detailed exercise scenario to include the objectives and events prescribed by the

EC/ED in the exercise LOI; 2) conducting detailed evaluator training prior to the exercise; 3) coordinating and controlling role players and aggressors; 4) compiling the evaluation data submitted by the evaluators and submitting required results to the ED; 5) preparing and conducting a detailed exercise debrief for the evaluated unit(s).

Training Plan. Training document that outlines the general plan for the conduct of individual and collective training in an organization for specified periods of time.

Unit CRP. Unit CRP is a percentage of the E-coded collective events that support the unit METL accomplished by the unit. Unit CRP is the average of all MET CRP.

Unit Evaluation. All units in the Marine Corps must be evaluated, either formally or informally, to ensure they are capable of conducting their combat mission. Informal evaluations should take place during all training events. The timing of formal evaluations is critical and should, when appropriate, be directly related to the units' operational deployment cycle. Formal evaluations should take place after the unit has been staffed with the majority of its personnel, has had sufficient time to train to individual and collective standards, and early enough in the training cycle so there is sufficient time to correctly identified weaknesses prior to deployment. All combat units and units' task organized for combat require formal evaluations prior to operational deployments.

Unit Training Management (UTM). Unit training management is the use of the SAT and Marine Corps training principles in a manner that maximizes training results and focuses the training priorities of the unit on its wartime mission. UTM governs the major peacetime training activity of the Marine Corps and applies to all echelons of the Total Force.

Waived Event. An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.